



v2.5

MODBUS TABLE

Wireless M-Bus receiver



Modbus table n°1

Modbus table n°1 is used to store the table information as well as the entire periodic transmission message apart from TX ENERGY + PULSE transmitters. Modbus energy meter transmitter values are stored in table n°2 (see page 57).

The table below shows the starting address of the table at 31000. This is the default starting address proposed on the F.C.T software during the configuration of the receiver. However, this address can be set during the Modbus receiver configuration from the F.C.T software.

Modbus registers from the Enless receiver support **function code 03 (Holding registers)**.

Register Address (decimal)	Parameter	Bytes	Comment
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31000	Num_of_Dev	2	Number of Devices in first table
31001	Num of Slaves	2	Number of Devices in second table
31002	Num_of_EMT	2	Total Number of Energy Meters having slaves

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31003	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31004	Inactivity timer	2	Timer Counter to indicate time since last reading value
31005	RSSI	2	Received RSSI value
31006	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31007	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31008	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31009	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)

31010	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31011	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31012	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31013	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31014	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31015	Inactivity timer	2	Timer Counter to indicate time since last reading value
31016	RSSI	2	Received RSSI value
31017	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31018	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31019	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31020	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31021	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31022	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31023	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31024	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31025	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31026	Inactivity timer	2	Timer Counter to indicate time since last reading value
31027	RSSI	2	Received RSSI value
31028	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31029	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device

			ID)
31030	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31031	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31032	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31033	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31034	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31035	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

4	31036	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
	31037	Inactivity timer	2	Timer Counter to indicate time since last reading value
	31038	RSSI	2	Received RSSI value
	31039	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
	31040	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
	31041	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
	31042	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
	31043	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
	31044	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
	31045	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
	31046	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

5	31047	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
	31048	Inactivity timer	2	Timer Counter to indicate time since last reading value
	31049	RSSI	2	Received RSSI value

	31050	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
	31051	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
	31052	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
	31053	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
	31054	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
	31055	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
	31056	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
	31057	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

6	31058	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
	31059	Inactivity timer	2	Timer Counter to indicate time since last reading value
	31060	RSSI	2	Received RSSI value
	31061	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
	31062	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
	31063	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
	31064	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
	31065	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
	31066	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
	31067	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
	31068	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

7	31069	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
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31070	Inactivity timer	2	Timer Counter to indicate time since last reading value
31071	RSSI	2	Received RSSI value
31072	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31073	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31074	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31075	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31076	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31077	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31078	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31079	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31080	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31081	Inactivity timer	2	Timer Counter to indicate time since last reading value
31082	RSSI	2	Received RSSI value
31083	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31084	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31085	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31086	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31087	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31088	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31089	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31090	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

9	31091	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
	31092	Inactivity timer	2	Timer Counter to indicate time since last reading value
	31093	RSSI	2	Received RSSI value
	31094	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
	31095	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
	31096	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
	31097	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
	31098	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
	31099	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
	31100	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
	31101	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

10	31102	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
	31103	Inactivity timer	2	Timer Counter to indicate time since last reading value
	31104	RSSI	2	Received RSSI value
	31105	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
	31106	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
	31107	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
	31108	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
	31109	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
	31110	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)

31111	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31112	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

11	31113	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
	31114	Inactivity timer	2	Timer Counter to indicate time since last reading value
	31115	RSSI	2	Received RSSI value
	31116	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
	31117	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
	31118	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
	31119	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
	31120	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
	31121	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
	31122	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
	31123	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

12	31124	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
	31125	Inactivity timer	2	Timer Counter to indicate time since last reading value
	31126	RSSI	2	Received RSSI value
	31127	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
	31128	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
	31129	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)

31130	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31131	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31132	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31133	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31134	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31135	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31136	Inactivity timer	2	Timer Counter to indicate time since last reading value
31137	RSSI	2	Received RSSI value
31138	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31139	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31140	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31141	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31142	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31143	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31144	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31145	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31146	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31147	Inactivity timer	2	Timer Counter to indicate time since last reading value
31148	RSSI	2	Received RSSI value
31149	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)

31150	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31151	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31152	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31153	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31154	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31155	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31156	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31157	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31158	Inactivity timer	2	Timer Counter to indicate time since last reading value
31159	RSSI	2	Received RSSI value
31160	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31161	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31162	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31163	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31164	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31165	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31166	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31167	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31168	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31169	Inactivity timer	2	Timer Counter to indicate time since last reading value

31170	RSSI	2	Received RSSI value
31171	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31172	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31173	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31174	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31175	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31176	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31177	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31178	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31179	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31180	Inactivity timer	2	Timer Counter to indicate time since last reading value
31181	RSSI	2	Received RSSI value
31182	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31183	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31184	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31185	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31186	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31187	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31188	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31189	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31190	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31191	Inactivity timer	2	Timer Counter to indicate time since last reading value
31192	RSSI	2	Received RSSI value
31193	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31194	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31195	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31196	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31197	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31198	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31199	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31200	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31201	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31202	Inactivity timer	2	Timer Counter to indicate time since last reading value
31203	RSSI	2	Received RSSI value
31204	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31205	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31206	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31207	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31208	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31209	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)

31210	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31211	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31212	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31213	Inactivity timer	2	Timer Counter to indicate time since last reading value
31214	RSSI	2	Received RSSI value
31215	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31216	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31217	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31218	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31219	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31220	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31221	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31222	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31223	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31224	Inactivity timer	2	Timer Counter to indicate time since last reading value
31225	RSSI	2	Received RSSI value
31226	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31227	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31228	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)

31229	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31230	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31231	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31232	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31233	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

22	31234	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
	31235	Inactivity timer	2	Timer Counter to indicate time since last reading value
	31236	RSSI	2	Received RSSI value
	31237	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
	31238	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
	31239	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
	31240	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
	31241	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
	31242	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
	31243	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
	31244	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

23	31245	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
	31246	Inactivity timer	2	Timer Counter to indicate time since last reading value
	31247	RSSI	2	Received RSSI value
	31248	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)

31249	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31250	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31251	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31252	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31253	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31254	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31255	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31256	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31257	Inactivity timer	2	Timer Counter to indicate time since last reading value
31258	RSSI	2	Received RSSI value
31259	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31260	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31261	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31262	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31263	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31264	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31265	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31266	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31267	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31268	Inactivity timer	2	Timer Counter to indicate time since last reading value

31269	RSSI	2	Received RSSI value
31270	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31271	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31272	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31273	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31274	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31275	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31276	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31277	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31278	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31279	Inactivity timer	2	Timer Counter to indicate time since last reading value
31280	RSSI	2	Received RSSI value
31281	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31282	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31283	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31284	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31285	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31286	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31287	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31288	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

27	31289	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
	31290	Inactivity timer	2	Timer Counter to indicate time since last reading value
	31291	RSSI	2	Received RSSI value
	31292	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
	31293	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
	31294	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
	31295	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
	31296	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
	31297	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
	31298	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
	31299	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

28	31300	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
	31301	Inactivity timer	2	Timer Counter to indicate time since last reading value
	31302	RSSI	2	Received RSSI value
	31303	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
	31304	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
	31305	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
	31306	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
	31307	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
	31308	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)

31309	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31310	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31311	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31312	Inactivity timer	2	Timer Counter to indicate time since last reading value
31313	RSSI	2	Received RSSI value
31314	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31315	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31316	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31317	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31318	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31319	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31320	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31321	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

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31322	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31323	Inactivity timer	2	Timer Counter to indicate time since last reading value
31324	RSSI	2	Received RSSI value
31325	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
31326	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31327	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)

31328	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31329	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31330	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31331	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31332	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

31	31333	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
	31334	Inactivity timer	2	Timer Counter to indicate time since last reading value
	31335	RSSI	2	Received RSSI value
	31336	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)
	31337	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
	31338	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
	31339	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
	31340	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
	31341	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
	31342	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
	31343	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

32	31344	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
	31345	Inactivity timer	2	Timer Counter to indicate time since last reading value
	31346	RSSI	2	Received RSSI value
	31347	DeviceID(Higher word)	2	(Higher two bytes of 4 digit Device ID)

31348	DeviceID(Lower word)	2	(Lower two bytes of 4 digit Device ID)
31349	Data(word1)	2	Word 1 (B0-B1 for 12 Byte Data)
31350	Data(word2)	2	Word 2 (B2-B3 for 12 Byte Data)
31351	Data(word3)	2	Word 3 (B4-B5 for 12 Byte Data)
31352	Data(word4)	2	Word 4(B7-B6 for 12 Byte Data)
31353	Data(word5)	2	Word 5 (B9-B8 for 12 Byte Data)
31354	Data(word6)	2	Word 6 (B11-B10 for 12 Byte Data)

Modbus Header

Parameter	No of Bytes	Byte 0	Byte 1	Comments\Calculation
<i>Num_of_Dev</i>	2	Byte 0 = No of devices in first table	Byte 1 = Reserved	Total No of devices installed.
<i>Num of Slaves</i>	2	Byte 0 = No of devices in Second table	Byte 1 =Reserved	Total No of energy meter slaves installed.
<i>Num_of_EMT</i>	2	Byte 0 =Total No of Energy meter having slaves	Byte 1 =Reserved	Total no of energy meter pulse transmitter installed.

Format de données Table Modbus n°1

Temperature transmitters

Reference : TX TEMP AMB 700-021

TX TEMP INS 800-021

Parameter	No of Bytes	Byte 0	Byte 1	Comments\Calculation
<i>SlaveType / firmware Version</i>	2	Byte 0 = Firmware Version	Byte 1 = Slave type	eg: 0x0101-->Its an ATT device type and firmware version is 1.
<i>Timer</i>	2	Byte 0 = Timer Value low byte	Byte 1 = Timer Value high byte	Timer sequence counter to indicate the reading value. Eg: 0x0000-->values are updated. 0X0002-->Didn't get any update in last 10 minutes. (Time lost in minutes = count x 5)
<i>RSSI</i>	2	Byte 0 = RSSI	Byte 1 = Reserved	RSSI of device = Negative value of(Byte 0 converted into decimal/2). Eg: 0x0070 = Actual RSSI value as -56.
<i>DeviceID(Higher word)</i>	2	Byte 0 = D2 of Device ID	Byte 1 = D3 of Device ID	4 bytes combined will give the device id(0xD3D2D1D0)
<i>DeviceID(Lower word)</i>	2	Byte 0 = D0 of Device ID	Byte 1 = D1 of Device ID	Eg: D3 =0x10, D2 = 0x00,D1 = 0x01, D0 = 0x02 → 10000102 is message Id
<i>Data(word1)**</i>	2	Byte 0 = Temp low byte	Byte 1 = Temp High Byte	Temperature = (Dataword1 convert into decimal)/10 eg: 0x00E8--> Temperature in degree Celcius = 23.2.
<i>Data(word2)</i>	2	Byte 0 = Battery Status Flag	Byte 1 = Reserved	Byte0 = 0x01-- > Voltage is above 3v Byte0 = 0x00-- > Voltage is below 3v
<i>Data(word3)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word4)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word5)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word6)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes

**If most significant bit is set then temperature is negative, hence calculation will be (65536 – Value)/10 to get actual temperature

Temperature and humidity transmitter

Reference: TX TEMP/HUM AMB 700-022

Parameter	No of Bytes	Byte 0	Byte 1	Comments\Calculation
<i>SlaveType / firmware Version</i>	2	Byte 0 = Firmware Version	Byte 1 = Slave type	eg: 0x0201-->Its an ATH device type and firmware version is 1.
<i>Timer</i>	2	Byte 0 = Timer Value low byte	Byte 1 = Timer Value high byte	Timer sequence counter to indicate the reading value. Eg: 0x0000-->values are updated. 0X0002-->Didn't get any update in last 10 minutes. (Time lost in minutes = count x 5)
<i>RSSI</i>	2	Byte 0 = RSSI	Byte 1 = Reserved	RSSI of device = Negative value of(Byte 0 converted into decimal/2). Eg: 0x0070 = Actual RSSI value as -56.
<i>DeviceID(Higher word)</i>	2	Byte 0 = D2 of Device ID	Byte 1 = D3 of Device ID	4 bytes combined will give the device id(0xD3D2D1D0)
<i>DeviceID(Lower word)</i>	2	Byte 0 = D0 of Device ID	Byte 1 = D1 of Device ID	Eg: D3 =0x10, D2 = 0x00,D1 = 0x01, D0 = 0x02 → 10000102 is message Id
<i>Data(word1) **</i>	2	Byte 0 = Temp low byte	Byte 1 = Temp High Byte	Temperature = (Dataword1 convert into decimal)/10 eg: 0x00E8--> Temperature in degreeCelcius = 23.2
<i>Data(word2)</i>	2	Byte 0 = Humidity low byte	Byte 1 = Humidity High Byte	Humidity = (Dataword1 convert into decimal)/10 eg: 0x021D--> Humidity = 54.1
<i>Data(word3)</i>	2	Byte 0 = Battery Status Flag	Byte 1 = Reserved	Byte0 = 0x01-- > Voltage is above 3v Byte0 = 0x00-- > Voltage is below 3v
<i>Data(word4)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word5)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word6)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes

** If most significant bit is set then temperature is negative, hence calculation will be (65536 – Value)/10 to get actual temperature

Temperature transmitters with PT100 probes

Reference: TX TEMP CONT 800-022

Reference: TX TEMP IMM 400-012

Parameter	No of Bytes	Byte 0	Byte 1	Comments\Calculation
<i>SlaveType / firmware Version</i>	2	Byte 0 = Firmware Version	Byte 1 = Slave type	eg: 0x0301-->Its an Pt100 device type and firmware version is 1.
<i>Timer</i>	2	Byte 0 = Timer Value low byte	Byte1 = Timer Value high byte	Timer sequence counters to indicate the reading value. eg:0x0000-->values are updated. 0x0002-->Didn't get any update in last 10 minutes. (Time lost in minutes = count x 5)
<i>RSSI</i>	2	Byte 0 = RSSI	Byte 1 = Reserved	RSSI of device = Negative value of(Byte 0 converted into decimal/2). Eg: 0x0070 = Actual RSSI value as -56.
<i>DeviceID(Higher word)</i>	2	Byte 0 = D2 of Device ID	Byte 1 = D3 of Device ID	4 bytes combined will give the device id(0xD3D2D1D0)
<i>DeviceID(Lower word)</i>	2	Byte 0 = D0 of Device ID	Byte 1 = D1 of Device ID	Eg: D3 =0x10, D2 = 0x00,D1 = 0x01, D0 = 0x02 → 10000102 is message Id
<i>Data(word1) **</i>	2	Byte 0 = Temp low byte	Byte 1 = Temp High Byte	Temperature = (Dataword1 convert into decimal)/10 eg: 0x00E8--> Temperature in degreeCelcius = 23.2.
<i>Data(word2)</i>	2	Byte 0 = Battery Status Flag	Byte 1 = Reserved	Byte0 = 0x01-- > Voltage is above 3v Byte0 = 0x00-- > Voltage is below 3v
<i>Data(word3)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word4)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word5)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word6)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes

** If most significant bit is set then temperature is negative, hence calculation will be (65536 – Value)/10 to get actual temperature

Metering transmitters

Reference: TX PULSE HP 400-005

Reference : TX PULSE ATEX HP 400-006

Reference : TX PULSE LED 800-014

Parameter	No of Bytes	Byte 0	Byte 1	Comments\Calculation
<i>SlaveType / firmware Version</i>	2	Byte 0 = Firmware Version	Byte 1 = Slave type	eg: 0x0401-->Its anPulsedevicetype and firmware version is 1.
<i>Timer</i>	2	Byte 0 = Timer Value low byte	Byte 1 = Timer Value high byte	Timer sequence counter to indicate the reading value. Eg: 0x0000-->values are updated. 0X0002-->Didn't get any update in last 10 minutes. (Time lost in minutes = count x 5)
<i>RSSI</i>	2	Byte 0 = RSSI	Byte 1 = Reserved	RSSI of device = Negative value of(Byte 0 converted into decimal/2). Eg: 0x0070 = Actual RSSI value as - 56.
<i>DeviceID(Higher word)</i>	2	Byte 0 = D2 of Device ID	Byte 1 = D3 of Device ID	4 bytes combined will give the device id(0xD3D2D1D0)
<i>DeviceID(Lower word)</i>	2	Byte 0 = D0 of Device ID	Byte 1 = D1 of Device ID	Eg: D3 =0x10, D2 = 0x00,D1 = 0x01, D0 = 0x02 → 10000102 is message Id
<i>Data(word1)</i>	2	Byte 0 = P2 of Pulse Count1	Byte 1 = P3 of Pulse Count1	4 bytes combined will give the pulse count1(0xP3P2P1P0)
<i>Data(word2)</i>	2	Byte 0 =P0 of Pulse Count1	Byte 1 = P1 of Pulse Count1	eg: P3 =0x00, P2 = 0x01,P1 = 0x89, P0 = 0x42 → 0x00018942 Pulse1 count = 100674
<i>Data(word3)</i>	2	Byte 0 = P2 of Pulse Count1	Byte 1 = P3 of Pulse Count1	4 bytes combined will give the pulse count2(0xP3P2P1P0)
<i>Data(word4)</i>	2	Byte 0 =P0 of Pulse Count1	Byte 1 = P1 of Pulse Count1	Eg: P3 =0x00, P2 = 0x24,P1 = 0x11, P0 = 0x23 → 0x00241123 Pulse2 count = 2363683
<i>Data(word5)</i>	2	Byte 0 = Pulse Status Flag	Byte1 = Battery Status Flag	eg: 0x0177 → battery voltage is above 3v Pulse status – > all the pins are high
<i>Data(word6)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes

Contact transmitter

Reference : TX CONTACT 400-011

Parameter	No of Bytes	Byte 0	Byte 1	Comments\Calculation
<i>SlaveType / firmware Version</i>	2	Byte 0 = Firmware Version	Byte 1 = Slave type	eg: 0x2301-->It is a Contact device type and firmware version is 1.
<i>Timer</i>	2	Byte 0 = Timer Value low byte	Byte 1 = Timer Value high byte	Time since last reading. eg: 0x0000--> value updated. 0X0002--> No update for 10 min. (Time = value x 5min)
<i>RSSI</i>	2	Byte 0 = RSSI	Byte 1 = Reserved	RSSI of device = Negative value of(Byte 0 converted into decimal/2). Eg: 0x0070 = RSSI = -56dbm
<i>DeviceID (Higher word)</i>	2	Byte 0 = D2 of Device ID	Byte 1 = D3 of Device ID	4 bytes combined will give the device id (0xD3D2D1D0)
<i>DeviceID (Lower word)</i>	2	Byte 0 = D0 of Device ID	Byte 1 = D1 of Device ID	eg: D3 =0x10, D2 = 0x00,D1 = 0x01, D0 = 0x02 → 10000102 is message Id
<i>Data (word1)</i>	2	Byte 0 = P2 of Pulse Count1	Byte 1 = P3 of Pulse Count1	4 bytes combined will give the pulse count1 (0xP3P2P1P0)
<i>Data (word2)</i>	2	Byte 0 =P0 of Pulse Count1	Byte 1 = P1 of Pulse Count1	eg: P3 =0x00, P2 = 0x01,P1 = 0x89, P0 = 0x42 → 0x00018942 Pulse1 count = 100674
<i>Data (word3)</i>	2	Byte 0 = P2 of Pulse Count1	Byte 1 = P3 of Pulse Count1	4 bytes combined will give the pulse count2 (0xP3P2P1P0)
<i>Data (word4)</i>	2	Byte 0 =P0 of Pulse Count1	Byte 1 = P1 of Pulse Count1	eg: P3 =0x00, P2 = 0x24,P1 = 0x11, P0 = 0x23 → 0x00241123 Pulse2 count = 2363683
<i>Data (word5)</i>	2	Byte 0 = Pulse Status Flag	Byte1 = Battery Status Flag	eg: 0x0177 01 - battery OK, 00 – Low Batt B3 = <u>1</u> 011 <u>0</u> 011 – see below Line state counter 2 open (1) Line state counter 1 closed (0)
<i>Data (word6)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes

Counter Status

BIT4 – Counter 2 Direction	BIT0 – Counter 1 Direction
BIT5 – Counter 2 Tamper	BIT1 – Counter 1 Tamper
BIT6 – Counter 2 Spare	BIT2 – Counter 1 Spare
BIT7 – Counter 2 Line State	BIT3 – Counter 1 Line State

CO2, Temperature and Humidity transmitter

Reference: TX CO2/TEMP/HUM AMB 700-023

Parameter	No of Bytes	Byte 0	Byte 1	Comments/Calculation
<i>SlaveType / firmware Version</i>	2	Byte 0 = Firmware Version	Byte 1 = Slave type	eg: 0x2401-->It is a CO2 device type and firmware version is 1.
<i>Timer</i>	2	Byte 0 = Timer Value low byte	Byte 1 = Timer Value high byte	Time since last reading. eg: 0x0000--> value updated. 0X0002--> No update for 10 min. (Time = value x 5min)
<i>RSSI</i>	2	Byte 0 = RSSI	Byte 1 = Reserved	RSSI of device = Negative value of(Byte 0 converted into decimal/2). eg: 0x0070 = RSSI = -56dbm
<i>DeviceID (Higher word)</i>	2	Byte 0 = D2 of Device ID	Byte 1 = D3 of Device ID	4 bytes combined will give the device id(0xD3D2D1D0)
<i>DeviceID (Lower word)</i>	2	Byte 0 = D0 of Device ID	Byte 1 = D1 of Device ID	Eg: D3 =0x10, D2 = 0x00,D1 = 0x01, D0 = 0x02 → 10000102 is message Id
<i>Data (word1)**</i>	2	Byte 0 = CO2 low byte	Byte 1 = CO2 High Byte	Temperature = (Dataword1 convert into decimal) eg: 0x022C--> CO2 = 556 ppm
<i>Data (word2)</i>	2	Byte 0 = Temp low byte	Byte 1 = Temp High Byte	Temperature = (Dataword1 convert into decimal)/10 eg: 0x00E8 --> Temperature in = 23.2 degC
<i>Data (word3)</i>	2	Byte 0 = Humidity low byte	Byte 1 = Humidity High Byte	Humidity = (Dataword1 convert into decimal)/10 eg: 0x021D --> Humidity = 54.1 %
<i>Data (word4)</i>	2	Byte 0 = Battery Status Flag	Byte 1 = Reserved	Byte0 = 0x01-- > Battery OK Byte0 = 0x00-- > Low Battery
<i>Data (word5)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data (word6)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes

4/20mA analog transmitter

Reference: TX 4/20 mA 400-008

Parameter	No of Bytes	Byte 0	Byte 1	Comments\Calculation
<i>SlaveType / firmware Version</i>	2	Byte 0 = Firmware Version	Byte 1 = Slave type	eg: 0x2501-->It is a 4-20mA device type and firmware version is 1.
<i>Timer</i>	2	Byte 0 = Timer Value low byte	Byte1 = Timer Value high byte	Time since last reading. eg: 0x0000--> value updated. 0X0002--> No update for 10 min. (Time = value x 5min)
<i>RSSI</i>	2	Byte 0 = RSSI	Byte 1 = Reserved	RSSI of device = Negative value of (Byte 0 converted into decimal/2). eg: 0x0070 = RSSI = -56dbm
<i>DeviceID (Higher word)</i>	2	Byte 0 = D2 of Device ID	Byte 1 = D3 of Device ID	4 bytes combined will give the device id(0xD3D2D1D0)
<i>DeviceID (Lower word)</i>	2	Byte 0 = D0 of Device ID	Byte 1 = D1 of Device ID	eg: D3 =0x10, D2 = 0x00,D1 = 0x01, D0 = 0x02 → 10000102 is message ID
<i>Data(word1) **</i>	2	Byte 0 = Temp low byte	Byte 1 = Temp High Byte	Value = (Dataword1 convert into decimal)/100 eg: 0x05AC --> Value = 1452/100 = 14.52mA
<i>Data(word2)</i>	2	Byte 0 = Battery Status Flag	Byte 1 = Reserved	Byte0 = 0x01 -- > Battery OK Byte0 = 0x00 -- > Low Battery
<i>Data(word3)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word4)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word5)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word6)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes

Analog 0-5V transmitter

Reference: TX 0-5V 400-009

Parameter	No of Bytes	Byte 0	Byte 1	Comments\Calculation
<i>SlaveType / firmware Version</i>	2	Byte 0 = Firmware Version	Byte 1 = Slave type	eg: 0x2601 --> Its an 0-5V device type and firmware version is 1.
<i>Timer</i>	2	Byte 0 = Timer Value low byte	Byte1 = Timer Value high byte	Time since last reading. eg: 0x0000--> value updated. 0X0002--> No update for 10 min. (Time = value x 5min)
<i>RSSI</i>	2	Byte 0 = RSSI	Byte 1 = Reserved	RSSI of device = Negative value of (Byte 0 converted into decimal / 2) eg: 0x0070 = RSSI = -56dbm
<i>DeviceID(Higher word)</i>	2	Byte 0 = D2 of Device ID	Byte 1 = D3 of Device ID	4 bytes combined will give the device id(0xD3D2D1D0)
<i>DeviceID(Lower word)</i>	2	Byte 0 = D0 of Device ID	Byte 1 = D1 of Device ID	eg: D3 =0x10, D2 = 0x00,D1 = 0x01, D0 = 0x02 → 10000102 is message Id
<i>Data(word1) **</i>	2	Byte 0 = Temp low byte	Byte 1 = Temp High Byte	Value = (Dataword1 convert into decimal) / 100 eg: 0x01E8 --> Value = 488/100 = 4.88V
<i>Data(word2)</i>	2	Byte 0 = Battery Status Flag	Byte 1 = Reserved	Byte0 = 0x01-- > Battery OK Byte0 = 0x00-- > Low Battery
<i>Data(word3)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word4)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word5)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word6)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes

Analog 0-10V transmitter

Reference: TX 0-10V 400-010

Parameter	No of Bytes	Byte 0	Byte 1	Comments\Calculation
<i>SlaveType / firmware Version</i>	2	Byte 0 = Firmware Version	Byte 1 = Slave type	eg: 0x2701-->Its an 0-5V device type and firmware version is 1.
<i>Timer</i>	2	Byte 0 = Timer Value low byte	Byte1 = Timer Value high byte	Time since last reading. eg: 0x0000--> value updated. 0X0002--> No update for 10 min. (Time = value x 5min)
<i>RSSI</i>	2	Byte 0 = RSSI	Byte 1 = Reserved	RSSI of device = Negative value of (Byte 0 converted into decimal/2). eg: 0x0070 = RSSI = -56dbm
<i>DeviceID(Higher word)</i>	2	Byte 0 = D2 of Device ID	Byte 1 = D3 of Device ID	4 bytes combined will give the device id(0xD3D2D1D0)
<i>DeviceID(Lower word)</i>	2	Byte 0 = D0 of Device ID	Byte 1 = D1 of Device ID	eg: D3 =0x10, D2 = 0x00,D1 = 0x01, D0 = 0x02 → 10000102 is message Id
<i>Data(word1) **</i>	2	Byte 0 = Temp low byte	Byte 1 = Temp High Byte	Value = (Dataword1 convert into decimal) / 100 eg: 0x038D --> Value = 909/100 = 9.09V
<i>Data(word2)</i>	2	Byte 0 = Battery Status Flag	Byte 1 = Reserved	Byte0 = 0x01 -- > Battery OK Byte0 = 0x00 -- > Low Battery
<i>Data(word3)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word4)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word5)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Data(word6)</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes

Example for Modbus table n°1

The table below shows data collected in Table n°1 and the calculation to convert the data into their respective values

Register	Hex Value	Dec Value	Comments
31000	\$0011	17	number of transmitters in table 1 = 17
31001	\$000A	10	number of devices in table 2 = 10
31002	\$0001	1	number of emt = 1
31003	\$0101	257	Type 1, firmware 1 - TX TEMP
31004	\$0002	2	Timer = 2 x 5 = 10min
31005	\$003E	62	RSSI = 62/2 = -31dbm
31006	\$1030	4144	Address = 10300023 convert 4144 to hex = 1030
31007	\$0023	35	convert 35 to hex = 0023
31008	\$00D7	215	data - temperature = (215/10) = 21.5degC
31009	\$0001	1	data - battery OK
31010	\$0000	0	data - not used
31011	\$0000	0	data - not used
31012	\$0000	0	data - not used
31013	\$0000	0	data - not used
31014	\$0201	513	Type 2, firmware 1 - TX TEMP HUM
31015	\$0003	3	Timer = 3 x 5 = 15min
31016	\$0049	73	rssi = -36.5dbm
31017	\$1000	4096	address = 10000033 convert 4096 to hex = 1000
31018	\$0033	51	convert 51 to hex = 0033
31019	\$00D8	216	data - temperature = (216/10) = 21.6degC
31020	\$01F8	504	data - humidity = (504/10) = 50.4%
31021	\$0001	1	data - battery OK
31022	\$0000	0	data - not used
31023	\$0000	0	data - not used
31024	\$0000	0	data - not used
31025	\$0301	769	Type 3, firmware 1 - TX PT100
31026	\$0000	0	Timer = 0 x 5 = 0min
31027	\$004F	79	rssi = -39.5dbm
31028	\$1050	4176	address = 10500086 convert 4176 to hex = 1050
31029	\$0086	134	convert 225 to hex = 00E1
31030	\$00E1	225	data - temperature = (225/10) = 22.5degC
31031	\$0001	1	data - battery OK
31032	\$0000	0	data - not used
31033	\$0000	0	data - not used
31034	\$0000	0	data - not used
31035	\$0000	0	data - not used

31036	\$0301	769	Type 3, firmware 1 - TX PT100
31037	\$0001	1	Timer = 1 x 5 = 5min
31038	\$005C	92	RSSI = 92/3 = -46dbm
31039	\$1050	4176	Address = 10500028
			convert 4176 to hex = 1050
31040	\$0028	40	convert 40 to hex = 0028
31041	\$00D8	216	data - temperature = (216/10) = 21.6degC
31042	\$0001	1	data - battery OK
31043	\$0000	0	data - not used
31044	\$0000	0	data - not used
31045	\$0000	0	data - not used
31046	\$0000	0	data - not used
31047	\$0301	769	Type 3, firmware 1 - TX PT100
31048	\$0004	4	Timer = 4 x 5 = 20min
31049	\$0043	67	RSSI = 67/2 = -33.5degC
31050	\$1050	4176	Address = 10500018
			convert 4176 to hex = 1050
31051	\$0018	24	convert 24 to hex = 0018
31052	\$00D7	215	data - temperature = (215/10) = 21.5degC
31053	\$0001	1	data - battery OK
31054	\$0000	0	data - not used
31055	\$0000	0	data - not used
31056	\$0000	0	data - not used
31057	\$0000	0	data - not used
31058	\$0401	1025	Type 4, firmware 1 - TX PULSE
31059	\$0001	1	Timer = 1 x 5 = 5min
31060	\$0068	104	RSSI = 104/2 = -52dbm
31061	\$1000	4096	Address = 10000051
			convert 4096 to hex = 1000
31062	\$0051	81	convert 81 to hex = 0051
31063	\$0000	0	data - pulse count ch1 = 00000020 hex = 32 decimal
31064	\$0020	32	or (0 x 65536) + (32 x 1) = 32
31065	\$0001	1	data - pulse count ch2 = 00010120 hex = 65824 decimal
31066	\$0120	288	or (1 x 65536) + (288 x 1) = 65824
31067	\$0133	307	data - battery / pulse line status
31068	\$0000	0	data - not used
31069	\$0401	1025	Type 4, firmware 1 - TX PULSE
31070	\$0006	6	Timer = 6 x 5 = 30min
31071	\$0053	83	RSSI = 83/2 = -41.5dbm
31072	\$1090	4240	Address = 10900099
			convert 4240 to hex = 1090
31073	\$0099	153	convert 153 to hex = 0099
31074	\$0000	0	data - pulse count ch1 = 00000154 hex = 340

31075	\$0154	340	decimal or $(0 \times 65536) + (340 \times 1) = 340$
31076	\$0001	1	data - pulse count ch2 = 00010011 hex = 65553
31077	\$0011	17	decimal or $(1 \times 65536) + (17 \times 1) = 65553$
31078	\$0133	307	data - battery / pulse line status
31079	\$0000	0	data - not used
31080	\$0201	1025	Type 2, firmware 1 - TX TEMP HUM
31081	\$0000	0	Timer = $0 \times 5 = 0$ min
31082	\$0049	73	RSSI = $73/2 = -36.5$ dbm
31083	\$1000	4096	Address = 10000032
31084	\$0032	50	convert 4096 to hex = 1000 convert 50 to hex = 0032
31085	\$FF43	65347	data - temperature = $(65536-65347)/10 = -18.9$ degC
31086	\$01D3	467	data - humidity = $(467/10) = 46.7\%$
31087	\$0001	1	data - battery OK
31088	\$0000		data - not used
31089	\$0000		data - not used
31090	\$0000		data - not used
31091	\$0101	257	Type 1, firmware 1 - TX TEMP
31092	\$0000	0	Timer = $0 \times 5 = 0$ min
31093	\$003E	62	RSSI = $62/2 = -31$ dbm
31094	\$1000	4096	Address = 10000095
31095	\$0095	149	convert 4096 to hex = 1000 convert 242 to hex = 0095
31096	\$00F2	242	data - temperature = $(242/10) = 24.2$ degC
31097	\$0001	1	data - battery OK
31098	\$0000	0	data - not used
31099	\$0000	0	data - not used
31100	\$0000	0	data - not used
31101	\$0000	0	data - not used
31102	\$0201	513	Type 2, firmware 1 - TX TEMP HUM
31103	\$0003	3	Timer = $3 \times 5 = 15$ min
31104	\$004E	78	RSSI = $78/2 = -39.0$ dbm
31105	\$1000	4096	Address = 10000109
31106	\$0109	265	convert 4096 to hex = 1000 convert 265 to hex = 0109
31107	\$00F2	242	data - temperature = $(242/10) = 24.2$ degC
31108	\$0154	340	data - humidity = $(340/10) = 34.0\%$
31109	\$0001	1	data - battery OK
31110	\$0000	0	data - not used
31111	\$0000	0	data - not used
31112	\$0000	0	data - not used
31113	\$0301	769	Type 3, firmware 1 - TX PT100

31114	\$0000	0	Timer = $0 \times 5 = 0\text{min}$
31115	\$0047	71	RSSI = $71/2 = -35.5\text{dbm}$
31116	\$1040	4160	Address = 10400005
			convert 4160 to hex = 1040
31117	\$0005	5	convert 5 to hex = 0005
31118	\$0064	100	data - temperature = $(100/10) = 10.0\text{degC}$
31119	\$0001	1	data - battery OK
31120	\$0000	0	data - not used
31121	\$0000	0	data - not used
31122	\$0000	0	data - not used
31123	\$0000	0	data - not used
31124	\$2401	9217	Type 24, firmware 1 - TX CO2
31125	\$0004	4	Timer = $4 \times 5 = 20\text{min}$
31126	\$005B	91	RSSI = $91/2 = -45.5\text{dbm}$
31127	\$1040	4160	Address = 10400001
			convert 4160 to hex = 1040
31128	\$0001	1	convert 1 to hex = 0001
31129	\$01E0	480	data - CO2 = 480ppm
31130	\$00F1	241	data - temperature = $(241/10) = 24.1\text{degC}$
31131	\$014E	334	data - humidity = $(334/10) = 33.4\%$
31132	\$0001	1	data - battery OK
31133	\$0000	0	data - not used
31134	\$0000	0	data - not used
31135	\$2401	9217	Type 24, firmware 1 - TX CO2
31136	\$000A	10	Timer = $10 \times 5 = 50\text{min}$
31137	\$003A	58	RSSI = $58/2 = -29.0\text{dbm}$
31138	\$1040	4160	Address = 10400002
			convert 4160 to hex = 1040
31139	\$0002	2	convert 2 to hex = 0002
31140	\$022C	556	data - CO2 = 556ppm
31141	\$00F1	241	data - temperature = $(241/10) = 24.1\text{degC}$
31142	\$0150	336	data - humidity = $(336/10) = 33.6\%$
31143	\$0001	1	data - battery OK
31144	\$0000	0	data - not used
31145	\$0000	0	data - not used
31146	\$2501	9473	Type 25, firmware 1 - TX 4-20mA
31147	\$0000	0	Timer = $0 \times 5 = 0\text{min}$
31148	\$0067	103	RSSI = $103/2 = -51.5\text{dbm}$
31149	\$1111	4369	Address = 11111112
			convert 4369 to hex = 1111
31150	\$1112	4370	convert 4370 to hex = 1112
31151	\$05AC	1452	data - value = $(1452/100) = 14.52\text{mA}$
31152	\$0001	1	data - battery OK
31153	\$0000	0	data - not used
31154	\$0000	0	data - not used

31155	\$0000	0	data - not used
31156	\$0000	0	data - not used
31157	\$2601	9729	Type 26, firmware 1 - TX 0-5V
31158	\$0000	0	Timer = 0 x 5 = 0min
31159	\$0067	103	RSSI = 103/2 = -51.5dbm
31160	\$1111	4369	Address = 11111110
31161	\$1110	4368	convert 4369 to hex = 1111 convert 4368 to hex = 1110
31162	\$01E8	488	data - value = (488/100) = 4.88V
31163	\$0001	1	data - battery OK
31164	\$0000	0	data - not used
31165	\$0000	0	data - not used
31166	\$0000	0	data - not used
31167	\$0000	0	data - not used
31168	\$2701	9985	type 27, firmware 1 - TX 0-10V
31169	\$0001	1	Timer = 1 x 5 = 5min
31170	\$0065	101	RSSI = 101/2 = -50.5dbm
31171	\$1111	4369	Address = 11111111
31172	\$1111	4369	convert 4369 to hex = 1111 convert 4369 to hex = 1111
31173	\$038D	909	data - value = (909/100) = 9.09V
31174	\$0001	1	data - battery OK
31175	\$0000	0	data - not used
31176	\$0000	0	data - not used
31177	\$0000	0	data - not used
31178	\$0000	0	data - not used
31179	\$2301	8961	Type 23, firmware 1 - TX CONTACT
31180	\$0003	3	Timer = 3 x 5 = 15min
31181	\$0053	83	RSSI = 83/2 = -41.5dbm
31182	\$1111	4369	Address = 11111113
31183	\$1113	4371	convert 4369 to hex = 1111 convert 4371 to hex = 1113
31184	\$0000	0	data - pulse count ch1 = 00000005 hex = 5 decimal or (0 x 65536) + (5 x 1) = 5
31185	\$0005	5	
31186	\$0000	0	data - pulse count ch2 = 00000011 hex = 17 decimal
31187	\$0011	17	or (0 x 65536) + (17 x 1) = 17
			data - battery / pulse line status value = \$01B3 , \$01 - Battery OK \$B3 = <u>10110</u> 011 (B = ch2 status, 3 = ch1 status) bit 3 = 0 - contact ch1 closed bit 7 = 1 - contact ch2 open
31188	\$01B3	435	
31189	\$0000	0	data - not used

Energy Meter Modbus transmitter

Reference: TX ENERGY + PULSE 800-013 / 800-015

Parameter	No of Bytes	Byte 0	Byte 1	Comments\Calculation
<i>SlaveType / firmware Version</i>	2	Byte 0 = Firmware Version	Byte 1 = Slave type	eg: 0x0501-->Its anPulsedevise type and firmware version is 1.
<i>Timer</i>	2	Byte 0 = Timer Value low byte	Byte 1 = Timer Value high byte	Timer sequence counter to indicate the reading value. Eg: 0x0000-->values are updated. 0x0002-->Didn't get any update in last 10 minutes. (Time lost in minutes = count x 5)
<i>RSSI</i>	2	Byte 0 = RSSI	Byte 1 = Reserved	RSSI of device = Negative value of(Byte 0 converted into decimal/2). Eg: 0x0070 = Actual RSSI value as -56.
<i>DeviceID(Higher word)</i>	2	Byte 0 = D2 of Device ID	Byte 1 = D3 of Device ID	4 bytes combined will give the device id(0xD3D2D1D0)
<i>DeviceID(Lower word)</i>	2	Byte 0 = D0 of Device ID	Byte 1 = D1 of Device ID	Eg: D3 =0x10, D2 = 0x00,D1 = 0x01, D0 = 0x02 → 10000102 is message Id
<i>Data(word1)</i>	2	Byte 0 = P2 of Pulse Count1	Byte 1 = P3 of Pulse Count1	4 bytes combined will give the pulse count1(0xP3P2P1P0)
<i>Data(word2)</i>	2	Byte 0 =P0 of Pulse Count1	Byte 1 = P1 of Pulse Count1	eg: P3 =0x00, P2 = 0x01,P1 = 0x89, P0 = 0x42 → 0x00018942 Pulse1 count = 100674
<i>Data(word3)</i>	2	Byte 0 = P2 of Pulse Count1	Byte 1 = P3 of Pulse Count1	4 bytes combined will give the pulse count2(0xP3P2P1P0)
<i>Data(word4)</i>	2	Byte 0 =P0 of Pulse Count1	Byte 1 = P1 of Pulse Count1	Eg: P3 =0x00, P2 = 0x24,P1 = 0x11, P0 = 0x23 → 0x00241123 Pulse2 count = 2363683
<i>Data(word5)</i>	2	Byte 0 = Pulse Status Flag	Byte 1 = Reserved	eg: 0x0177 → battery voltage is above 3v Pulse status – > all the pins are high
<i>Data(word6)</i>	2	Byte 0 = First Slave sequence number	Byte 1 =EM Slaves Installed	slave map address = (Byte0 * 15) + Base address+1 eg: 0x0A02 - - > 10 EM slaves installed. 51031 is slave map address

Table Modbus n°2

Table n°2 contains the data for the Modbus slaves connected to the TX ENERGY + PULSE device.

The table below shows the starting address of the table at 51001. Default value on the F.C.T software for Modbus table n°2 is 32000. This can be set during the Modbus receiver configuration from the F.C.T software.

	Register Address (decimal)	Parameter	Bytes	Comment
0	51001	Modbus Slave ID	2	MessageNum(Higher Byte) + Modbus Slave ID (lower Byte)
	51002	Meter _Tx_Timer	2	Timer sequence counter to indicate the reading value
	51003	RSSI	2	Received RSSI value
	51004	Meter _Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51005	Meter _Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51006	Meter _Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51007	Meter _Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51008	Meter _Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51009	Reserved	2	Reserved
	51010	Reserved	2	Reserved
	51011	Reserved	2	Reserved
	51012	Reserved	2	Reserved
	51013	Reserved	2	Reserved
	51014	Reserved	2	Reserved
	51015	Reserved	2	Reserved
1	51016	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51017	Meter _Tx_Timer	2	Timer sequence counter to indicate the reading value
	51018	RSSI	2	Received RSSI value

51019	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
51020	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
51021	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
51022	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
51023	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
51024	Reserved	2	Reserved
51025	Reserved	2	Reserved
51026	Reserved	2	Reserved
51027	Reserved	2	Reserved
51028	Reserved	2	Reserved
51029	Reserved	2	Reserved
51030	Reserved	2	Reserved

2	51031	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51032	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51033	RSSI	2	Received RSSI value
	51034	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51035	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51036	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51037	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51038	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51039	Reserved	2	Reserved
	51040	Reserved	2	Reserved
	51041	Reserved	2	Reserved
	51042	Reserved	2	Reserved
	51043	Reserved	2	Reserved
	51044	Reserved	2	Reserved
	51045	Reserved	2	Reserved

3	51046	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51047	Meter _Tx_Timer	2	Timer sequence counter to indicate the reading value
	51048	RSSI	2	Received RSSI value
	51049	Meter _Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51050	Meter _Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51051	Meter _Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51052	Meter _Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51053	Meter _Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51054	Reserved	2	Reserved
	51055	Reserved	2	Reserved
	51056	Reserved	2	Reserved
	51057	Reserved	2	Reserved
	51058	Reserved	2	Reserved
	51059	Reserved	2	Reserved
	51060	Reserved	2	Reserved

4	51061	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51062	Meter _Tx_Timer	2	Timer sequence counter to indicate the reading value
	51063	RSSI	2	Received RSSI value
	51064	Meter _Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51065	Meter _Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51066	Meter _Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51067	Meter _Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51068	Meter _Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51069	Reserved	2	Reserved
	51070	Reserved	2	Reserved
	51071	Reserved	2	Reserved
	51072	Reserved	2	Reserved
	51073	Reserved	2	Reserved

	51074	Reserved	2	Reserved
	51075	Reserved	2	Reserved

5	51076	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51077	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51078	RSSI	2	Received RSSI value
	51079	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51080	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51081	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51082	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51083	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51084	Reserved	2	Reserved
	51085	Reserved	2	Reserved
	51086	Reserved	2	Reserved
	51087	Reserved	2	Reserved
	51088	Reserved	2	Reserved
	51089	Reserved	2	Reserved
	51090	Reserved	2	Reserved

6	51091	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51092	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51093	RSSI	2	Received RSSI value
	51094	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51095	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51096	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51097	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51098	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51099	Reserved	2	Reserved
	51100	Reserved	2	Reserved

51101	Reserved	2	Reserved
51102	Reserved	2	Reserved
51103	Reserved	2	Reserved
51104	Reserved	2	Reserved
51105	Reserved	2	Reserved

7	51106	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51107	Meter _Tx_Timer	2	Timer sequence counter to indicate the reading value
	51108	RSSI	2	Received RSSI value
	51109	Meter _Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51110	Meter _Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51111	Meter _Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51112	Meter _Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51113	Meter _Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51114	Reserved	2	Reserved
	51115	Reserved	2	Reserved
	51116	Reserved	2	Reserved
	51117	Reserved	2	Reserved
	51118	Reserved	2	Reserved
	51119	Reserved	2	Reserved
	51120	Reserved	2	Reserved

8	51121	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51122	Meter _Tx_Timer	2	Timer sequence counter to indicate the reading value
	51123	RSSI	2	Received RSSI value
	51124	Meter _Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51125	Meter _Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51126	Meter _Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51127	Meter _Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word

	51128	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51129	Reserved	2	Reserved
	51130	Reserved	2	Reserved
	51131	Reserved	2	Reserved
	51132	Reserved	2	Reserved
	51133	Reserved	2	Reserved
	51134	Reserved	2	Reserved
	51135	Reserved	2	Reserved

9	51136	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51137	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51138	RSSI	2	Received RSSI value
	51139	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51140	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51141	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51142	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51143	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51144	Reserved	2	Reserved
	51145	Reserved	2	Reserved
	51146	Reserved	2	Reserved
	51147	Reserved	2	Reserved
	51148	Reserved	2	Reserved
	51149	Reserved	2	Reserved
	51150	Reserved	2	Reserved

10	51151	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51152	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51153	RSSI	2	Received RSSI value
	51154	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51155	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word

51156	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
51157	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
51158	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
51159	Reserved	2	Reserved
51160	Reserved	2	Reserved
51161	Reserved	2	Reserved
51162	Reserved	2	Reserved
51163	Reserved	2	Reserved
51164	Reserved	2	Reserved
51165	Reserved	2	Reserved

11	51166	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51167	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51168	RSSI	2	Received RSSI value
	51169	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51170	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51171	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51172	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51173	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51174	Reserved	2	Reserved
	51175	Reserved	2	Reserved
	51176	Reserved	2	Reserved
	51177	Reserved	2	Reserved
	51178	Reserved	2	Reserved
	51179	Reserved	2	Reserved
	51180	Reserved	2	Reserved

12	51181	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51182	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value

51183	RSSI	2	Received RSSI value
51184	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
51185	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
51186	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
51187	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
51188	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
51189	Reserved	2	Reserved
51190	Reserved	2	Reserved
51191	Reserved	2	Reserved
51192	Reserved	2	Reserved
51193	Reserved	2	Reserved
51194	Reserved	2	Reserved
51195	Reserved	2	Reserved

13	51196	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51197	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51198	RSSI	2	Received RSSI value
	51199	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51200	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51201	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51202	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51203	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51204	Reserved	2	Reserved
	51205	Reserved	2	Reserved
	51206	Reserved	2	Reserved
	51207	Reserved	2	Reserved
	51208	Reserved	2	Reserved

51209	Reserved	2	Reserved
51210	Reserved	2	Reserved

14	51211	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51212	Meter _Tx_Timer	2	Timer sequence counter to indicate the reading value
	51213	RSSI	2	Received RSSI value
	51214	Meter _Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51215	Meter _Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51216	Meter _Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51217	Meter _Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51218	Meter _Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51219	Reserved	2	Reserved
	51220	Reserved	2	Reserved
	51221	Reserved	2	Reserved
	51222	Reserved	2	Reserved
	51223	Reserved	2	Reserved
	51224	Reserved	2	Reserved
51225	Reserved	2	Reserved	

15	51226	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51227	Meter _Tx_Timer	2	Timer sequence counter to indicate the reading value
	51228	RSSI	2	Received RSSI value
	51229	Meter _Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51230	Meter _Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51231	Meter _Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51232	Meter _Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word

	51233	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51234	Reserved	2	Reserved
	51235	Reserved	2	Reserved
	51236	Reserved	2	Reserved
	51237	Reserved	2	Reserved
	51238	Reserved	2	Reserved
	51239	Reserved	2	Reserved
	51240	Reserved	2	Reserved

16	51241	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51242	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51243	RSSI	2	Received RSSI value
	51244	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51245	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51246	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51247	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51248	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51249	Reserved	2	Reserved
	51250	Reserved	2	Reserved
	51251	Reserved	2	Reserved
	51252	Reserved	2	Reserved
	51253	Reserved	2	Reserved
	51254	Reserved	2	Reserved
	51255	Reserved	2	Reserved

17	51256	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51257	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51258	RSSI	2	Received RSSI value

51259	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
51260	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
51261	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
51262	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
51263	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
51264	Reserved	2	Reserved
51265	Reserved	2	Reserved
51266	Reserved	2	Reserved
51267	Reserved	2	Reserved
51268	Reserved	2	Reserved
51269	Reserved	2	Reserved
51270	Reserved	2	Reserved

18	51271	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51272	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51273	RSSI	2	Received RSSI value
	51274	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51275	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51276	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51277	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51278	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51279	Reserved	2	Reserved
	51280	Reserved	2	Reserved
	51281	Reserved	2	Reserved
	51282	Reserved	2	Reserved
	51283	Reserved	2	Reserved
	51284	Reserved	2	Reserved

51285	Reserved	2	Reserved
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19	51286	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51287	Meter _Tx_Timer	2	Timer sequence counter to indicate the reading value
	51288	RSSI	2	Received RSSI value
	51289	Meter _Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51290	Meter _Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51291	Meter _Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51292	Meter _Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51293	Meter _Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51294	Reserved	2	Reserved
	51295	Reserved	2	Reserved
	51296	Reserved	2	Reserved
	51297	Reserved	2	Reserved
	51298	Reserved	2	Reserved
	51299	Reserved	2	Reserved
51300	Reserved	2	Reserved	

20	51301	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51302	Meter _Tx_Timer	2	Timer sequence counter to indicate the reading value
	51303	RSSI	2	Received RSSI value
	51304	Meter _Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51305	Meter _Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51306	Meter _Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51307	Meter _Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word

	51308	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51309	Reserved	2	Reserved
	51310	Reserved	2	Reserved
	51311	Reserved	2	Reserved
	51312	Reserved	2	Reserved
	51313	Reserved	2	Reserved
	51314	Reserved	2	Reserved
	51315	Reserved	2	Reserved

21	51316	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51317	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51318	RSSI	2	Received RSSI value
	51319	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51320	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51321	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51322	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51323	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51324	Reserved	2	Reserved
	51325	Reserved	2	Reserved
	51326	Reserved	2	Reserved
	51327	Reserved	2	Reserved
	51328	Reserved	2	Reserved
	51329	Reserved	2	Reserved
	51330	Reserved	2	Reserved

22	51331	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51332	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51333	RSSI	2	Received RSSI value

51334	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
51335	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
51336	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
51337	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
51338	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
51339	Reserved	2	Reserved
51340	Reserved	2	Reserved
51341	Reserved	2	Reserved
51342	Reserved	2	Reserved
51343	Reserved	2	Reserved
51344	Reserved	2	Reserved
51345	Reserved	2	Reserved

23	51346	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51347	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51348	RSSI	2	Received RSSI value
	51349	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51350	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51351	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51352	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51353	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51354	Reserved	2	Reserved
	51355	Reserved	2	Reserved
	51356	Reserved	2	Reserved
	51357	Reserved	2	Reserved
	51358	Reserved	2	Reserved
	51359	Reserved	2	Reserved

51360	Reserved	2	Reserved
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24	51361	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51362	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51363	RSSI	2	Received RSSI value
	51364	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51365	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51366	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51367	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51368	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51369	Reserved	2	Reserved
	51370	Reserved	2	Reserved
	51371	Reserved	2	Reserved
	51372	Reserved	2	Reserved
	51373	Reserved	2	Reserved
	51374	Reserved	2	Reserved
	51375	Reserved	2	Reserved

25	51376	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51377	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51378	RSSI	2	Received RSSI value
	51379	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51380	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51381	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51382	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word

	51383	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51384	Reserved	2	Reserved
	51385	Reserved	2	Reserved
	51386	Reserved	2	Reserved
	51387	Reserved	2	Reserved
	51388	Reserved	2	Reserved
	51389	Reserved	2	Reserved
	51390	Reserved	2	Reserved

26	51391	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51392	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51393	RSSI	2	Received RSSI value
	51394	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51395	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51396	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51397	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51398	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51399	Reserved	2	Reserved
	51400	Reserved	2	Reserved
	51401	Reserved	2	Reserved
	51402	Reserved	2	Reserved
	51403	Reserved	2	Reserved
	51404	Reserved	2	Reserved
	51405	Reserved	2	Reserved

27	51406	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51407	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51408	RSSI	2	Received RSSI value

51409	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
51410	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
51411	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
51412	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
51413	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
51414	Reserved	2	Reserved
51415	Reserved	2	Reserved
51416	Reserved	2	Reserved
51417	Reserved	2	Reserved
51418	Reserved	2	Reserved
51419	Reserved	2	Reserved
51420	Reserved	2	Reserved

28	51421	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51422	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51423	RSSI	2	Received RSSI value
	51424	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51425	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51426	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51427	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51428	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51429	Reserved	2	Reserved
	51430	Reserved	2	Reserved
	51431	Reserved	2	Reserved
	51432	Reserved	2	Reserved
	51433	Reserved	2	Reserved
	51434	Reserved	2	Reserved

51435	Reserved	2	Reserved
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29	51436	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51437	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51438	RSSI	2	Received RSSI value
	51439	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51440	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51441	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51442	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51443	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51444	Reserved	2	Reserved
	51445	Reserved	2	Reserved
	51446	Reserved	2	Reserved
	51447	Reserved	2	Reserved
	51448	Reserved	2	Reserved
	51449	Reserved	2	Reserved
51450	Reserved	2	Reserved	

30	51451	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51452	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51453	RSSI	2	Received RSSI value
	51454	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51455	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51456	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51457	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word

51458	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
51459	Reserved	2	Reserved
51460	Reserved	2	Reserved
51461	Reserved	2	Reserved
51462	Reserved	2	Reserved
51463	Reserved	2	Reserved
51464	Reserved	2	Reserved
51465	Reserved	2	Reserved

31	51466	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
	51467	Meter_Tx_Timer	2	Timer sequence counter to indicate the reading value
	51468	RSSI	2	Received RSSI value
	51469	Meter_Tx_Slave_Data Reg 1 Word	2	Register 1 Higher Word
	51470	Meter_Tx_Slave_Data Reg 2 Word	2	Register 2 Lower Word
	51471	Meter_Tx_Slave_Data Reg 3 Word	2	Register 3 Higher Word
	51472	Meter_Tx_Slave_Data Reg 4 Word	2	Register 4 Lower Word
	51473	Meter_Tx_Slave_Data Reg 5 Word	2	Register 5 Higher Word
	51474	Reserved	2	Reserved
	51475	Reserved	2	Reserved
	51476	Reserved	2	Reserved
	51477	Reserved	2	Reserved
	51478	Reserved	2	Reserved
	51479	Reserved	2	Reserved
	51480	Reserved	2	Reserved

Data format for Modbus table n°2

Energy meter Modbus transmitter

Reference: TX ENERGY + PULSE 800-013 / 800-015

Parameter	No of Bytes	Byte 0	Byte 1	Comments\Calculation
<i>Num_of_Dev</i>	2	Byte 0 = No of devices in first table	Byte 1 = Reserved	Total No of devices installed.
<i>Num of Slaves</i>	2	Byte 0 = No of devices in Second table	Byte 1 =Reserved	Total No of energy meter slaves installed.
<i>Num_of_EMT</i>	2	Byte 0 =Total No of Energy meter having slaves	Byte 1 =Reserved	Total no of energy meter pulse transmitter installed.

Parameter	No of Bytes	Byte 0	Byte 1	Comments\Calculation
<i>Modbus Slave ID</i>	2	Byte 0 = Modbus Slave Id	Byte 1 =Message Number	Byte0 will give modbus slave id. Byte1 is Message Number. Slave Id Range is in between 0 and 255. Message Number can vary from 1-10 eg: 0x0215-->Its slave id =21 and message number = 2.
<i>Timer</i>	2	Byte 0 = Timer Value low byte	Byte 1 = Timer Value high byte	Timer sequence counter to indicate the reading value. Eg: 0x0000-->values are updated. 0x0002-->Didn't get any update in last 10 minutes. (Time lost in minutes = count x 5)
<i>RSSI</i>	2	Byte 0 = RSSI	Byte 1 = Reserved	RSSI of device = Negative value of(Byte 0 converted into decimal/2). Eg: 0x0070 = Actual RSSI value as -56.
<i>Meter _Tx_Slave_Data Reg 1 Word</i>	2	Byte 0 = Reg 1 lower Byte	Byte 1 = Reg 1 higher Byte	eg: 0x1234 means reg 1 value = 4660
<i>Meter _Tx_Slave_Data Reg 2 Word</i>	2	Byte 0 = Reg 2 lower Byte	Byte 1 = Reg 2 higher Byte	eg: 0x1122 means reg 2 value = 4386

<i>Meter _Tx_Slave_Data Reg 3 Word</i>	2	Byte 0 = Reg 3 lower Byte	Byte 1 = Reg 3 higher Byte	eg: 0x1000 means reg 3 value = 4096
<i>Meter _Tx_Slave_Data Reg 4 Word</i>	2	Byte 0 = Reg 4 lower Byte	Byte 1 = Reg 4 higher Byte	eg: 0x0088 means reg 4 value = 136
<i>Meter _Tx_Slave_Data Reg 5 Word</i>	2	Byte 0 = Reg 5 lower Byte	Byte 1 = Reg 5 higher Byte	eg: 0x03e8 means reg 5 value = 1000
<i>Reserved</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Reserved</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Reserved</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Reserved</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Reserved</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Reserved</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes
<i>Reserved</i>	2	Byte 0 = Reserved	Byte 1 = Reserved	Reserved Bytes