



Enless Wireless

M2M & IoT Wireless Expert

 Enless

MODBUS TABLE

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Modbus Table n°1

Table 1 is used to store the table information as well as the entire periodic transmission message apart from energy meter slaves.

The table below shows the starting address of the table at 31000. However this can be set during the Modbus receiver configuration by the value in Column P (Modbus Receiver Register start address)

Register Address	Parameter	Bytes	Comment
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
1			
31003	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31004	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	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	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)
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31036	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31037	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)

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31047	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31048	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)

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31058	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31059	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)

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31069	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31070	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	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)

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31091	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31092	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)

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31102	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31103	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)

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31113	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31114	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)

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31124	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31125	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
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31136	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	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	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	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	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	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	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	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	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)

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31234	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31235	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)

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31245	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31246	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	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	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	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)

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31289	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31290	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)

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31300	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
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31301	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	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	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)

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31333	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31334	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)

31344	SlaveType / firmware Version	2	Transmitter type to determine its values(higher byte)+ Firmware version Lower Byte
31345	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.

Data Format for Table1

Temperature Transmitters

Reference: TX TEMP AMB 700-001

Reference: TX TEMP INS 800-001

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--> It is a Temperature 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 = -56 dbm
<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 - Temp = 23.2 degC
<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

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

Temperature and Humidity Transmitters

Reference: TX TEMP / HUM AMB 700-002

Reference: TX TEMP / HUM 800-005

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 --> It is a ATH 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 = Temp low byte	Byte 1 = Temp High Byte	Temperature = (Dataword1 convert into decimal)/10 eg: 0x00E8 --> Temp = 23.2 degC
<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-- > Battery OK Byte0 = 0x00-- > Low Battery
<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

PT100 Temperature Transmitter

Reference: TX TEMP CONT 800-002

Reference: TX TEMP IMM 800-003

Reference: TX TEMP PT100 800-004

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 --> It is a PT100 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 = -56 dbm
<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 - Temp = 23.2degC
<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

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

Pulse Transmitters

Reference: TX PULSE 800-009

Reference: TX PULSE ATEX 800-010

Reference: TX PULSE HP 400-005

Reference: TX PULSE ATEX HP 400-006

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 --> It is a Pulse 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 77 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 800-020

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 Transmitter

Reference: TX CO2 / TEMP / HUM AMB 700-003

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 Transmitter

Reference: TX 4/20 mA 800-006

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

0-5V Transmitter

Reference: TX 0-5V 800-007

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

0-10V Transmitter

Reference: TX 0-10V 800-008

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: 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

Examples for Table1

The table below shows data collected in Table 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
31007	\$0023	35	convert 4144 to hex = 1030 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	rss = -36.5dbm
31017	\$1000	4096	address = 10000033
31018	\$0033	51	convert 4096 to hex = 1000 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	rss = -39.5dbm
31028	\$1050	4176	address = 10500086
31029	\$0086	134	convert 4176 to hex = 1050 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 = $1 \times 5 = 5\text{min}$
31038	\$005C	92	RSSI = $92/3 = -46\text{dbm}$
31039	\$1050	4176	Address = 10500028
31040	\$0028	40	convert 4176 to hex = 1050 convert 40 to hex = 0028
31041	\$00D8	216	data - temperature = $(216/10) = 21.6\text{degC}$
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 = $4 \times 5 = 20\text{min}$
31049	\$0043	67	RSSI = $67/2 = -33.5\text{degC}$
31050	\$1050	4176	Address = 10500018
31051	\$0018	24	convert 4176 to hex = 1050 convert 24 to hex = 0018
31052	\$00D7	215	data - temperature = $(215/10) = 21.5\text{degC}$
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 = $1 \times 5 = 5\text{min}$
31060	\$0068	104	RSSI = $104/2 = -52\text{dbm}$
31061	\$1000	4096	Address = 10000051
31062	\$0051	81	convert 4096 to hex = 1000 convert 81 to hex = 0051
31063	\$0000	0	data - pulse count ch1 = 00000020 hex = 32 decimal
31064	\$0020	32	or $(0 \times 65536) + (32 \times 1) = 32$
31065	\$0001	1	data - pulse count ch2 = 00010120 hex = 65824 decimal
31066	\$0120	288	or $(1 \times 65536) + (288 \times 1) = 65824$
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 = $6 \times 5 = 30\text{min}$
31071	\$0053	83	RSSI = $83/2 = -41.5\text{dbm}$
31072	\$1090	4240	Address = 10900099
31073	\$0099	153	convert 4240 to hex = 1090 convert 153 to hex = 0099
31074	\$0000	0	data - pulse count ch1 = 00000154 hex = 340 decimal
31075	\$0154	340	or $(0 \times 65536) + (340 \times 1) = 340$

31076	\$0001	1	data - pulse count ch2 = 00010011 hex = 65553 decimal
31077	\$0011	17	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 = $0 \times 5 = 0\text{min}$
31082	\$0049	73	RSSI = $73/2 = -36.5\text{dbm}$
31083	\$1000	4096	Address = 10000032
31084	\$0032	50	convert 4096 to hex = 1000 convert 50 to hex = 0032
31085	\$FF43	65347	data - temperature = $(65536-65347)/10 = -18.9\text{degC}$
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 = $0 \times 5 = 0\text{ min}$
31093	\$003E	62	RSSI = $62/2 = -31\text{dbm}$
31094	\$1000	4096	Address = 10000095
31095	\$0095	149	convert 4096 to hex = 1000 convert 242 to hex = 0095
31096	\$00F2	242	data - temperature = $(242/10) = 24.2\text{degC}$
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 = $3 \times 5 = 15\text{min}$
31104	\$004E	78	RSSI = $78/2 = -39.0\text{dbm}$
31105	\$1000	4096	Address = 10000109
31106	\$0109	265	convert 4096 to hex = 1000 convert 265 to hex = 0109
31107	\$00F2	242	data - temperature = $(242/10) = 24.2\text{degC}$
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 convert 5 to hex = 0005
31117	\$0005	5	
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 convert 1 to hex = 0001
31128	\$0001	1	
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 convert 2 to hex = 0002
31139	\$0002	2	
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 convert 4370 to hex = 1112
31150	\$1112	4370	
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
31185	\$0005	5	or (0 x 65536) + (5 x 1) = 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 Transmitter

Reference: TX ENERGY + PULSE 800-012

Reference: TX ENERGY + PULSE 800-013

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-->It is a Pulse 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	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

Modbus Table n°2

Table 2 contains the data for the Modbus slaves connected to the energy meters

The table below shows the starting address of the table at 51001. However this can be set during the Modbus receiver configuration by the value in Column Q (Energy Meter Register start address)

	Register Address	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)
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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)
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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

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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

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51151	Modbus Slave ID	2	MessageNum(Higher Byte)+Modbus Slave ID (lower Byte)
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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

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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

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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

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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

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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

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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

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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

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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

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

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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

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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

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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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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

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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

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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

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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

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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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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

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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

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 Table 2

Energy meter transmitters

Reference: TX ENERGY + PULSE 800-012

Reference: TX ENERGY + PULSE 800-013

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	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 -56 dbm
<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