

Ambient transmitter LoRa / LoRaWAN

TX CO2, VOC, temperature and humidity

LoRa LoRaWAN™



COMPACT DESIGN

EASY TO INSTALL

VERY LONG RANGE RADIO

REPLACEABLE BATTERY

UP TO 10 YEARS BATTERY LIFE

FREESTANDING OR WALL MOUNTED

SPECIFICATIONS

Enclosure and IP rating	ABS IP 40
Dimensions (l x w x h)	105 x 95 x 38 mm
Mounting	Wall
Radio antenna	Embedded
Types of sensors	Embedded CO2, VOC, temperature and humidity sensors
CO2 range	0 - 5 000 ppm
VOC range	0 - 60 000 ppb (1 ppb = 4.5 µg/m3)
Sensor temperature range	- 40 / + 125 °C
Temperature sensor accuracy	+/- 0,2°C
Humidity sensor resolution	+/- 2% rH
CO2 sensor accuracy	+/- 100 ppm
TX working temperature	- 20 / + 55°C
Power supply	Replaceable 3.6 V D size Lithium battery - Low battery alert
Radio frequency band	868 MHz bidirectional
Radio protocol	LoRa proprietary – LoRaWAN (mode change via jumper)
Output power	25mW (14 dBm)
Configuration	LoRa proprietary: configuration from the receiver's IP server LoRaWAN: setup via downlink
Battery autonomy	LoRa proprietary: 3 years with 60mn periodicity LoRaWAN: 3 years with 60mn periodicity (in SF9) Configurable periodicity
Encryption	LoRa proprietary: no encryption LoRaWAN: AES128
Addressing	LoRa proprietary: LoRa ID LoRaWAN: DEVEUI, APPEUI, APPKEY keys (OTAA)
LED	3 LED's
Certification	CE
Product reference	TX CO2 / VOC / T&H AMB 600-023

DTM45-e