



eGATE-KOMBI-LWUS-RHT-DP

Temperature, humidity and differential pressure transmitter.

Combined device with temperature, humidity and differential pressure. Ideal for measuring the conditions of a construction site or an existing building.

POWER SUPPLY:

Batteries:	3 pcs LR6 (AA 1.5 V alkaline). For the estimated battery life, high quality batteries should be used, e.g. Energizer EN91.
Typical battery life:	5 years with 15 minutes transmission interval
External:	Micro USB type B, 5 ± 0.5 V, max 200 mA, no suspend function



MEASURING AND DATA TRANSMISSION:

Interval:	Configurable: 5 min / 10 min / 15 min / 20 min / 30 min / 1 h / 2 h / 3 h / 4 h / 6 h
Radio:	LoRa radio technology with Murata ABZ-093 LoRaWAN modem.
Antenna:	Internal
Frequency band:	902-928 MHz (LoRaWAN 1.0.2 US band)
Transmission power:	Max +20 dBm E.R.P.
Range, line-of-sight:	Depends on installation location and environment, in good conditions 10 km (6.21 mi)

TEMPERATURE MEASUREMENT:

Sensor:	High-accuracy semiconductor sensor, Swiss
Measurement range:	-40...+125°C / -40...+257°F
Accuracy:	Typically ±0.1°C (+20...+60 °C / +68...+140 °F)

HUMIDITY MEASUREMENT:

Sensor:	High-accuracy semiconductor sensor, Swiss
Measurement range:	0...100 %RH
Accuracy:	Typically ±2 % RH (0...100 % RH and 0...+80°C / 32...+176°F)

DIFFERENTIAL PRESSURE MEASUREMENT:

Sensor:	High-accuracy flow sensor, Swiss
Measurement range:	-125...+125 Pa
Accuracy:	Typically ±0.08 Pa + 3% rdg

Housing material:	ABS+PC
Usage temperature:	-30...+60°C / -22...+140°F, no condensation
Storage temperature:	-40...+80°C / -40...+176°F, without battery, no condensation
Protection class:	IP20
Outer dimensions:	95 x 75 x 48 mm / 3.74 x 2.95 x 1.89 in
Outer dimensions including bracket:	95 x 75 x 49 mm / 3.74 x 2.95 x 1.93 in