



eGATE-KOMBI-LWUS-RHT

Temperature and humidity transmitter.

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)

Power supply: 2 x 1.5 V AA alkaline battery

Battery life: Over 3 years with 15 minute transmitting interval

Housing material: ABS+PC

Usage temperature: 0...50°C / 32...122°F, no condensation

Storage temperature: -30...60°C / -22...140°F, no condensation

Protection class: IP20

Outer dimensions: 95 x 75 x 26 mm / 3.74 x 2.95 x 1.02 in

Outer dimensions including bracket: 95 x 75 x 27 mm / 3.74 x 2.95 x 1.06 in

Weight: 0.13 kg / 0.29 lb