

Datasheet

enerhealth Sensor 102



LoRaWan

Frequency	EU433/CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923
Tx Power	20dBm
Sensitivity	-147dBm @300bps
Mode	OTAA/ABP Class A

Display & Configuration

Display	2.13-inch Black&White E-Ink Screen
Configuration	Mobile APP or PC software via NFC: On/off + Configuration + Firmware Upgrade

Physical Characteristics

Power Input	2 × AA Alkaline battery
Operating Temperature	-20°C to +70°C
Relative Humidity	0% to 100% (non-condensing)
Dimension	105 × 70.4 × 21.2 mm (4.1 × 2.8 × 0.8 in)
Mounting	DIN rail, wall

Sensors

Temperature

Range	-40°C to + 70°C
Accuracy	0°C to + 70°C (+/- 0.3°C), -40°C to 0°C (+/- 0.6°C)

Humidity

Range	0% to 100% RH
Accuracy	10% to 90% RH (+/- 3%), below 10% and above 90% RH(+/- 5%)

PIR

Detection Area	94 ° Horizontal, 82 ° Vertical
Detection Distance	5 m

Light

Range	60000 lux (Visible + IR, IR)
Accuracy	±30%

CO2

Range	400 - 5000 ppm
Accuracy	±30 ppm or ±3 % of reading

TVOC

Range	0 - 60000 ppb
Accuracy	±15 %
Long-term Stability	1.3 % accuracy drift per year

Barometric Pressure

Range	300 - 1100 hPa (-40°C - 85°C)
Accuracy	±1 hPa

Dimensions

