



SCOUTEYES

Humidity & Temperature Sensor

TH - 100

Ruggedized Felis Transmitter



SPECIFICATION

Device	
Enclosure IP Rating	IP67
Dimension	67x86x36mm
Mounting	Wall
Antenna	Replaceable 0 dBi dipole
Frequency	868 ~ 928 Mhz
Size (L x D)	58 x 12.5 mm
Radio Band	
Frequency/Power	923Mhz / 17 dBm Max.
I/O Interface	
Power	Micro-USB (Waterproof)
I2C	Micro-USB (Waterproof)
Char/Bat indicator	RED LED
Power	
Battery	Lithium 3.7V, 2300 mAh
DC Source	DC +5V ~ 24V
Working range	-20°C ~ 60°C
Sensor Cable	
Length	150 cm
Enclosure IP Rating	IP67
Temperature Sensor	
Working range	'-40°C ~ 125°C
Accuracy	+/- 0.2°C Max
Resolution	0.015°C
Humidity Sensor	
Working range	0 ~ 100%RH
Accuracy	+/- 3%RH Max
Resolution	0.01%RH
Hysteresis at 25°C	+/- 0.8%RH

Features:

- IP67 & ruggedized mechanical design
- Working in extreme environment
- Communication range up to 800m@50kbps at flat area
- CMOSens® sensor chip with high reliability and long-term stability
- Typical accuracy of +/- 3%RH & +/- 1.0°C
- Replaceable antenna design for 5 dBi extension dipole antenna option
- Adapt advanced Felis technology for LPWAN application
- Transmit 576 times/per day more than 6 months with 2300mAh lithium battery
- More than 40 TH-100 are able to work at the same time with PER < 1%
- Easy to trace temperature/humidity/battery capacity with Web App



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