

Surface Range Extender



The Surface Range Extender can be used to improve Sensor wireless performance when measuring temperature on metal surfaces. The sensing element is thermally coupled to the surface using a thermal pad to ensure a good measurement.

Features

- Improves indoor range by up to 4X when mounted on metal surfaces.
- Gives good thermal coupling between sensor and metal surface
- The thermal pad has adhesive on both sides
- Simple and robust installation on metal surfaces

Specifications

Operating Conditions	
Temperature range ⁽¹⁾	-40 to 85 °C / -40 to 185 °F
Humidity at 25 °C / 77 °F	0 to 100% relative humidity
Recommended Storage Conditions	Cool and dry, near normal room temperature
Thermal conductivity of thermal pad	1.6W/m·K
Materials	ABS PA-757 H48-2 INTERFACE MATERIAL
Typical Dimensions ⁽²⁾	36.7 x 30.1 x 27.2 mm (±0.2 mm)
Typical Weight ⁽²⁾	14.0 g (±0.5 g)
Certifications and Compliance	Sensor with Range Extender, certified to FCC and ISED regulations FCC ID: 2ATFX-100644 IC: 25087-100644 CE, WEEE

Footnotes

- (1): Maximum temperature range for the materials are -40 to 160 °C / -40 to 320 °F
(2): With thermal pad, without sensor

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