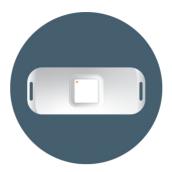# Ambient Temperature Range Extender

The Ambient Range Extender is designed to measure the air temperature in environments with metal surfaces. It lifts the sensor from the surface, such that the temperature reading is not the metal temperature, but the air temperature.

Features

- Improves indoor range by 2X on metal surfaces.
- Gives good thermal isolation between sensor and metal surface

- The Range Extender has adhesive on the bottom and lugs for mounting using strips
- 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
Materials	ABS PA-757 3M VHB 4943F
Typical Dimensions[2]	100 x 40.2 x 19.2 mm (±0.2 mm)
Typical Weight[2]	9.3 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 is -40 to 150 °C / -40 to 302 °F
(2): With adhesive