Pipe Range Extender

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

Features

- Improves indoor range by up to 4X when mounted on metal pipes.
- Gives good thermal coupling between sensor and metal pipe
- Simple and robust installation on pipes

Specifications

Operating Conditions
    Temperature range[1]
    Humidity at 25 °C / 77 °F
	
	-40 to 85 °C / -40 to 185 °F
	0 to 100% relative humidity

Recommended Storage Conditions	Cool and dry, near normal room temperature
Thermal conductivity of thermal pad	1.2W/m·K
Materials	ABS PA-757 T-flex™ 300
Typical Dimensions[2] Typical Weight[2]	36.7 x 30.1 x 29.3 mm (±0.2 mm) 15.2 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