

Water Management

Technical datasheet



Ultrasonic sensor



EnOcean protocol
868 MHz (EU) | 902 MHz (USA)



Bridge



Ethernet | LTE (4G) | WiFi



Sensorfact software

ULTRASONIC FLOW METER

Measurement	Sampling frequency Accuracy Minimum flow velocity in the pipe	Cumulative pulse count on every pulse 5-10% (depending on field conditions) 0.2m/s
Electricity	Sensor AC adaptor	230V
Enclosure specification	Material IP rating Box dimension	ABS (Acrylonitril Butadiene Styrene) plastic IP65 160 x 240 x 53 mm
Installation	Positioning Transducer spacing Supported fluids Supported pipe materials Minimum length of undisturbed pipe needed (no bends, valves or pumps) Supported pipe sizes Wireless range to bridge (unobstructed) Temperature range transducer Temperature range external environment Environment	Horizontal or vertical (flow from bottom to top) Sensorfact indicates transducer distance during onboarding Water; Sea Water, Kerosene, Gasoline, Fuel oil, Crude Oil, Propane at -45 °C, Butane at 0 °C, Diesel Oil, Caster Oil, Peanut Oil, Gasoline, Alcohol, Hot water at 125 °C. Other fluids to be discussed Include carbon steel, stainless steel, cast iron, ductile iron, copper, PVC, aluminum, fiberglass. Other materials to be discussed 15 times the outer pipe diameter From DN15 to DN700 Up to 10 meters -20 °C to 160 °C -10 °C to 70 °C Indoor use
Production details		Produced in Europe
Compliance		CE approved, Low Voltage 2014/35/EU compliant, EMC 2014/30/EU compliant, WEEE 2012/19/EU compliant, RoHS 2011/65/EU compliant

BRIDGE

Power specification	Power supply	5V power adaptor
Network interfaces*	Ethernet WiFi LTE	10/100 ethernet interface 2.4 GHz SMA RP Multiband SMA
Enclosure specification	Case material IP rating Dimensions	Metal IP2X 162 mm x 85 mm x 28 mm (approx)
Installation	Operating temperature Environment Sensor pairing	-10 °C to 40 °C Indoor use Automatically
Production details		Produced in Europe
Compliance		CE approved, FCC approved (Ethernet-only), RoHS compliant, WEE directive compliant

*The bridge for the USA only has an Ethernet port.