



MINISONDA

Ultrasonic Level Sensor

Description:

The MiniSonda provides accurate, reliable level measurement for liquids and slurries, it is a loop powered, ultrasonic transmitter which operates from a 20-38V D.C. voltage, thus enabling the 4-20mA signal produced to transmit over relatively long distances.

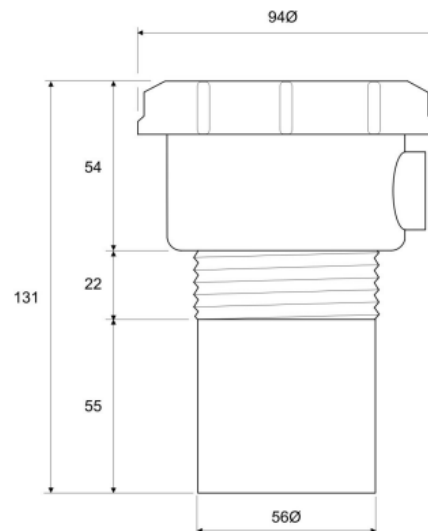


Specification:

Measuring range:	0.4 to 8m
Output:	4-20mA (into 250 ohms @ 24V D.C. or 850 ohms @ 38V D.C.) (Tolerance ± 0.1 mA loop, LE ± 0.2 mA)
Loop voltage:	20-38V D.C. (reverse polarity protected).
Power required:	0.5 watt @ 24V
Resolution:	1mm
Accuracy:	0.25% of measuring range (electronic).
Display:	4 digits
Minimum span:	100mm
Lost echo:	User programmable 4, 20, 21mA or last valid reading.
Temperature compensation:	Built-in digital sensor.
Ultrasonic core angle:	120
Ultrasound frequency:	50KHz $\pm 10\%$
Operating temperature:	-10°C to +60°C
Weatherproof:	IP66
Gland thread:	M20
Cable:	2 core screened cable or twisted pair. (1.5m fitted as standard)
Connection:	2" B.S.P.
Ultrasonic core angle:	120
Max. static operating pressure:	-0.25 to 2bar @ 20°C
Construction materials:	Casing: polypropylene (glass filled). Transducer housing: UPVC
Mounting Bracket:	Swing type bracket

Features:

- Simple setting up procedure saves commissioning time.
- Low power consumption gives economical operation.
- Polypropylene casing for increased chemical resistance.



Order Codes: MINISONDA

EC Products Limited

EC House, Amberley Way, Hounslow,
Middlesex. TW4 6BH. United Kingdom
Tel:+44 (0)20 8569 4100 Fax: +44 (0)20 8569 4111