

Product Overview

The AX-UL-S is a robust range of IP68-rated ultrasonic level transmitters for tanks and sumps, offering non-intrusive measurement with a standard 4–20mA output.

Available in 6m, 8m, 10m, 15m & 25m ranges, with optional Relay and HART output, and LCD display. A separate pluggable display is also available for non display units.

AX-UL-S is designed to monitor liquid level in sumps or tanks, for tank contents measurement, or open channel flow measurement. Separate models are available for water and diesel.



Products Features

- Non-contact level measurement
- Maximum 25 m (82 ft) measuring range
- Full temperature compensation
- For most liquids, including flammable liquids
- 2-wire integrated level transmitters
- Level measurement in basins, wells, sumps, lift-stations
- Wide application area from wastewater to aggressive chemicals
- Suitable for level measurement of hydrocarbons, acids, aggressive liquids, any water based medium

Product Specifications

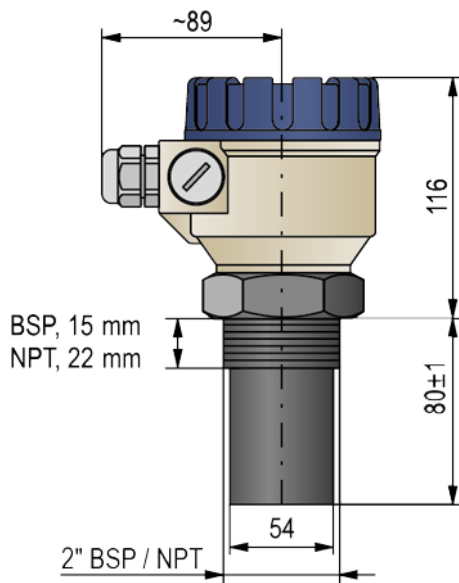
Measuring Range: :	From 0.25Meter up to 6/8/10/15/25 Meters
System:	2/4 Wire (Optional)
Accuracy:	± (0.2% of measured distance +0.05% of range)
Output :	Analogue (4-20mA) + Relay (SPDT, 250 V AC / 3 A, AC1) With plastic housing: -20°C to +70°C (-4°F to +158 °F)
Ambient Temperature:	With metal housing: -30°C to +70°C (-22°F to +158 °F) With display: -25°C to +70°C (-13°F to +158 °F)
Process Temperature:	With PP transducer: -20°C to +70°C (-4°F to + 158°F) With PVDF transducer: -20°C to +80°C (-4°F to + 176°F)
Power Supply:	12 ⁽⁴⁾ – 36 V DC / 48 – 720 mW
Housing:	Paint Coated Aluminium 2x M20x1.5 plastic cable glands for Ø6 – Ø12 mm (0.25 – 0.45 in) cable,
Electrical Connection:	3x terminal blocks for max. 2.5 mm ² (AWG16) wire cross section, 2x ½" NPT internal threads for cable protective pipes
Ingress Protection:	Transducer: IP68, Housing: IP67
Weight:	1.3 – 2.3 kg (2.85 – 5 lb)
Country Of Origin:	Hungary

Product Order Codes

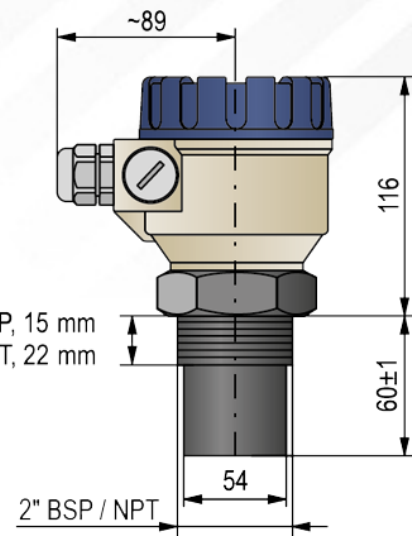
AX-UL-SEP-370-2	Ultrasonic Level Transmitter (Clean & Waster Water), 4-20mA Output, 0.35-8 Meters, PP Housing, 2" BSP Thread
AX-UL-SEV-370-2	Ultrasonic Level Transmitter (Diesel), 4-20mA Output, 0.35-8 Meters, PVDF Housing, 2" BSP Thread
AX-UL-SEP-380-2	Ultrasonic Level Transmitter (Clean & Waster Water), 4-20mA Output, 0.25-6 Meters, PP Housing, 2" BSP Thread
AX-UL-SEV-380-2	Ultrasonic Level Transmitter (Diesel), 4-20mA Output, 0.25-6 Meters, PVDF Housing, 2" BSP Thread
AX-UL-SEP-362-2	Ultrasonic Level Transmitter (Clean & Waster Water), 4-20mA Output, 0.35-10 Meters, PP Housing, DN80 flange
AX-UL-SEV-362-2	Ultrasonic Level Transmitter (Diesel), 4-20mA Output, 0.35-10 Meters, PVDF Housing, DN80 flange
AX-UL-SEP-344-2	Ultrasonic Level Transmitter (Clean & Waster Water), 4-20mA Output, 0.45-15 Meters, PP Housing, DN125 flange
AX-UL-SEV-344-2	Ultrasonic Level Transmitter (Diesel), 4-20mA Output, 0.45-15 Meters, PVDF Housing, DN125 flange
AX-UL-SEP-325-2	Ultrasonic Level Transmitter (Clean & Waster Water), 4-20mA Output, 0.60-25 Meters, PP Housing, DN150 flange
AX-UL-SEV-325-2	Ultrasonic Level Transmitter (Diesel), 4-20mA Output, 0.60-25 Meters, PVDF Housing, DN150 flange
AX-UL-SAP200	Plugin LCD Display and Programming Unit for AX-SE Series
** Replace “-2” with “-4” for HART Output, “-6” for EXP version and with “-R” for Relay Output	
** Replace “E” with “G” for Built In Display Version	

Dimensions/ Drawing

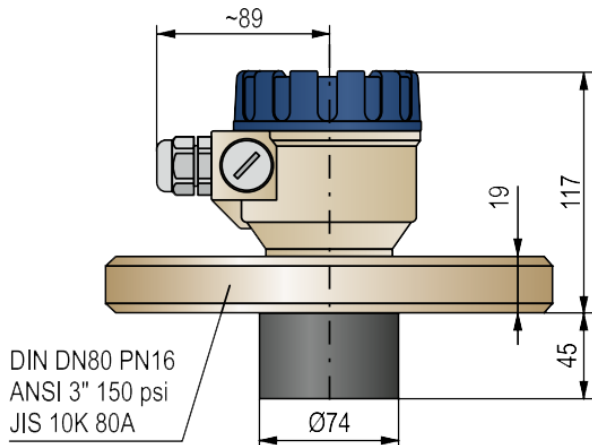
AX-SEP/SEV-370



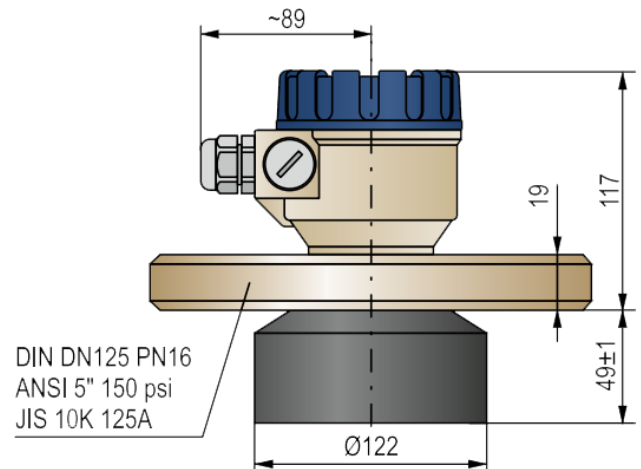
AX-SEP/SEV-380



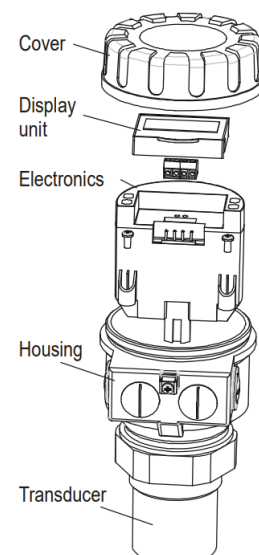
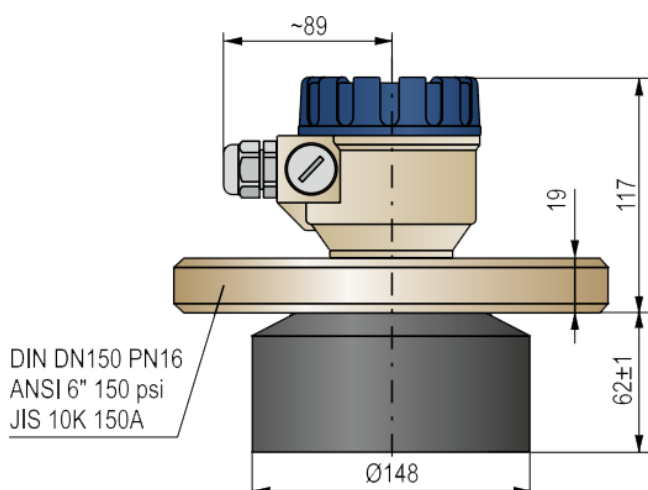
AX-SEP/SEV-362



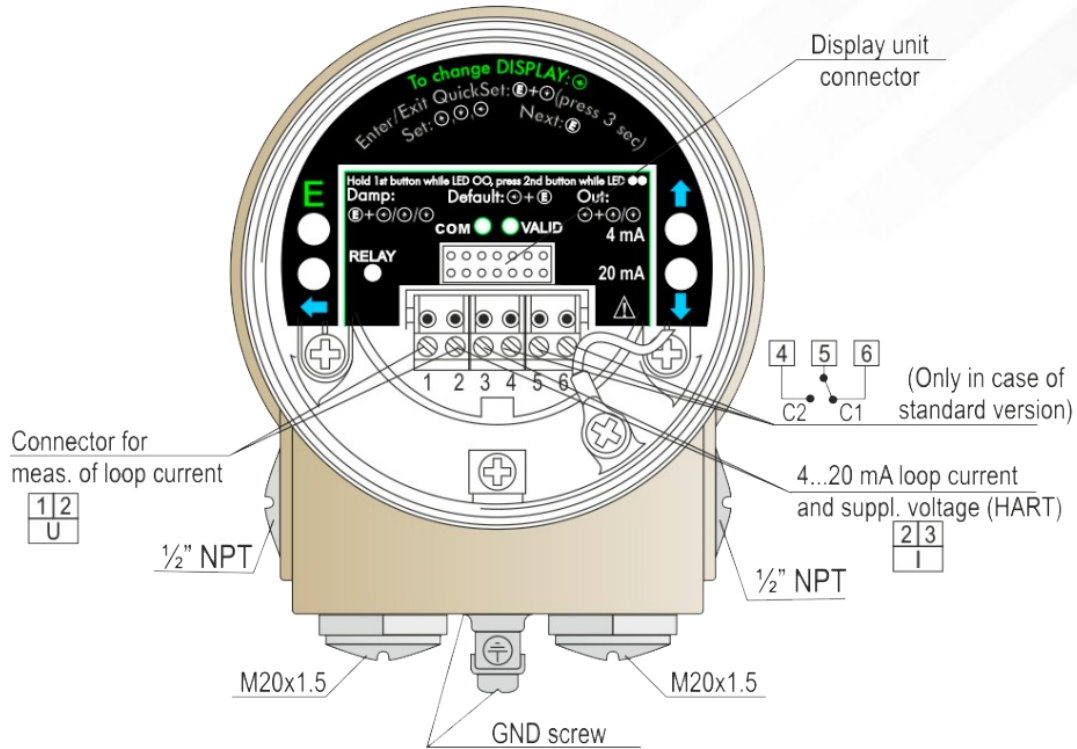
AX-SEP/SEV-344



AX-SEP/SEV-325



Wiring Diagram



Datasheet Contents

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