

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

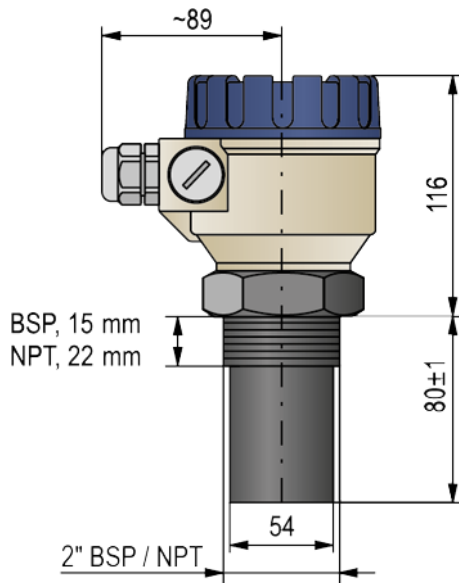
Measuring Range: :	From 0.25Meter up to 6/8/10/15/25 Meters
System:	2/4 Wire
Accuracy:	± (0.2% of measured distance +0.05% of range)
Output :	Analogue (4-20mA) + Relay (SPDT, 250 V AC / 3 A, AC1) With plastic housing: -20°C to +70°C (-4°F to +158 °F)
Ambient Temperature:	With metal housing: -30°C to +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

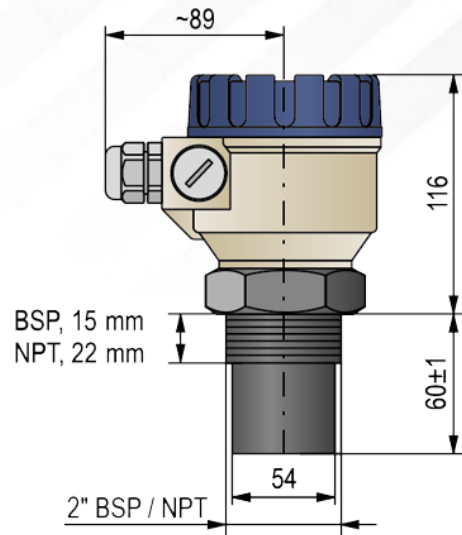
AX-UL-SEP-370-2	Ultrasonic Level Transmitter (Clean & Waster Water), 4-20mA Output, 0.35-8 Meters, PP Housing, 2" BSP Thread
AX-UL-SEV-370-2	Ultrasonic Level Transmitter (Diesel), 4-20mA Output, 0.35-8 Meters, PVDF Housing, 2" BSP Thread
AX-UL-SEP-380-2	Ultrasonic Level Transmitter (Clean & Waster Water), 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-SGP-362-2	Ultrasonic Level Transmitter (Clean & Waster Water), 4-20mA Output, 0.35-10 Meters, PP Housing, DN80 flange
AX-UL-SGV-362-2	Ultrasonic Level Transmitter (Diesel), 4-20mA Output, 0.35-10 Meters, PVDF Housing, DN80 flange
AX-UL-SGP-344-2	Ultrasonic Level Transmitter (Clean & Waster Water), 4-20mA Output, 0.45-15 Meters, PP Housing, DN125 flange
AX-UL-SGV-344-2	Ultrasonic Level Transmitter (Diesel), 4-20mA Output, 0.45-15 Meters, PVDF Housing, DN125 flange
AX-UL-SGP-325-2	Ultrasonic Level Transmitter (Clean & Waster Water), 4-20mA Output, 0.60-25 Meters, PP Housing, DN150 flange
AX-UL-SGV-325-2	Ultrasonic Level Transmitter (Diesel), 4-20mA Output, 0.60-25 Meters, PVDF Housing, DN150 flange
** Replace “-2” with “-4” for HART Output, “-6” for EXP version and “-R” for Relay Output	

Dimensions/ Drawing

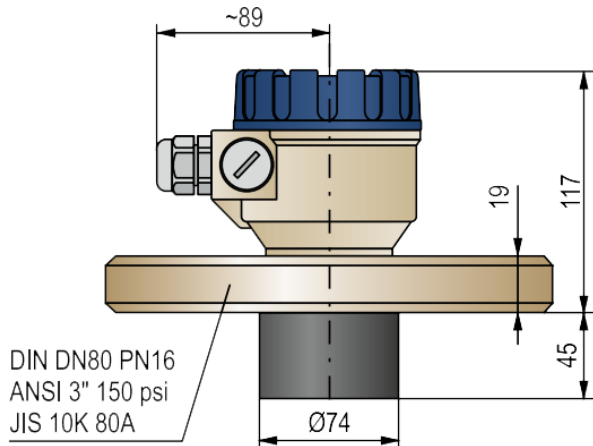
AX-SEP/SEV-370



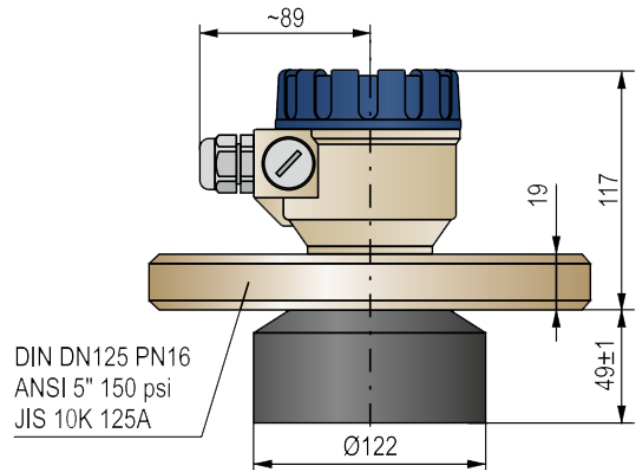
AX-SEP/SEV-380



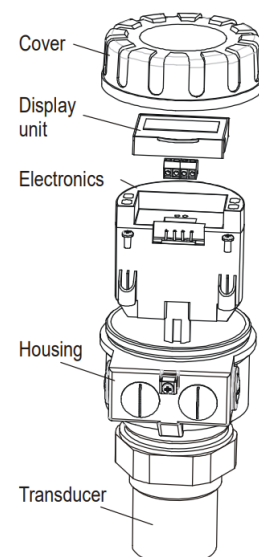
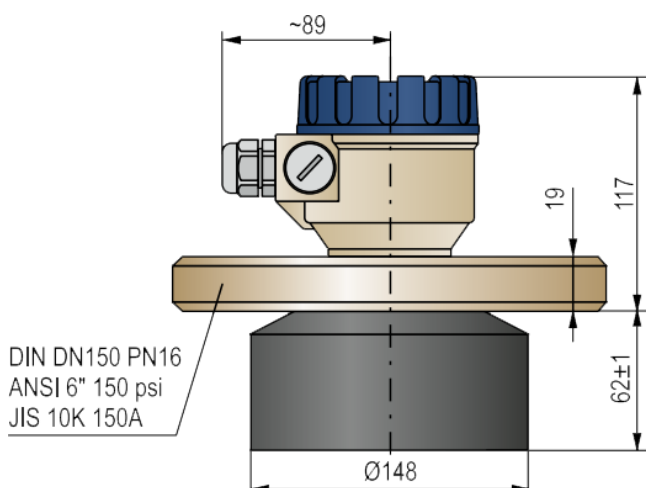
AX-SGP/SGV-362



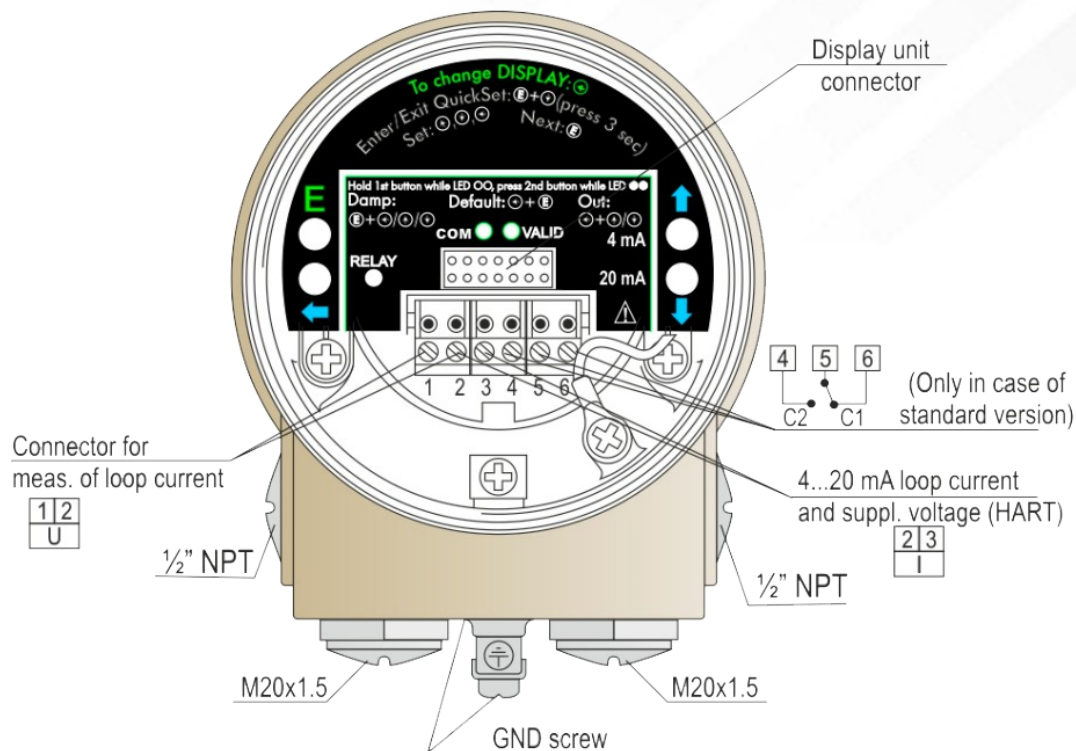
AX-SGP/SGV-344



AX-SGP/SGV-325



Wiring Diagram



Datasheet Contents

Every effort has been taken in the production of this data sheet to ensure accuracy. Axio do not accept responsibility for any damage, expense, injury, loss or consequential loss resulting from any errors or omissions. Axio has a policy of continuous improvement and reserves the right to change this specification without notice.