

MonoScan®

Ultrasonic Continuous Level Measurement Device

for Liquids, Solids and Open Channel Flow



More flexibility. More compatibility

MonoScan® is an excellent choice for measuring liquid and solid levels at ranges of up to 15 meters, with a 0.25% accuracy of measuring range. The MonoScan® single enclosure and compact sensor, ensures a full match with your installations.

Moreover, the MonoScan is the smallest ultrasonic gauging device for measuring open channel flow, incorporating 9 predefined types of weirs and flumes in its memory that assures fast and easy set-up.

Advantages

- Direct installation on tanks, vessels and reactors
- Self-calibration to virtually all types of conditions
- Full compensation in virtually all environments
- Delivers highest accuracy even under harsh conditions
- Maintenance-free



Applications

Chemical processes
Petrochemicals
Food & Beverage industries
Water & Waste water
Pharmaceuticals
Pulp & Paper industries
Plastics

Data Sheet MonoScan®

Applications

Liquid, Solid, Open Channel Flow

Measuring Ranges

Liquids and Flow-

Short-Range: 0.25-5m (0.8-16 ft)
Standard-Range: 0.6-15m (1.9-49 ft)

Solids -

Short-Range: 0.25-5m (0.8-16 ft)
Standard-Range: 0.6-8.5m (1.9-28 ft)

Measurement Accuracy

0.25% of measuring range

Resolution

1mm (0.04 Inch)

Power Supply

12-28VDC (0.1A surge)

Load

750 ohm @ 28VDC

Current Output

4-20mA loop

Mounting Option

2" NPT/2" BSP

Temperature Range

-40°C to +70°C (-40°F to +158°F)

Ambient Compensation

Integral

Housing Type

Integrated (Mono-Block)

Housing Material

ABS + UV

Enclosure Rating

IP 65

Beam Angle

5° @ 3db point

Sensor Type

25 KHz

Operating Temp'

-40°C to +70°C (-40°F to +158°F)

Sensor material

Aluminum ECTFE

Sensor Housing

PP/PVDF

Display

LCD (4 digits - 7 segments)

Weight

Up to 1.4 Kg (3.08 lb)

Enclosure Dimensions

289mm x 107mm x 85mm

Certifications

CE, ATEX, FM, CSA



MonoScan® is registered trademark of Solid Applied Technologies Ltd.

Specifications are subject to change without notice