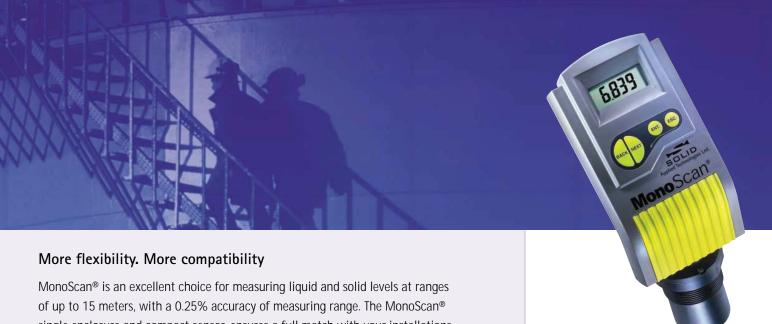
MonoScan®

Ultrasonic Continuous Level Measurement Device for Liquids, Solids and Open Channel Flow

More compact. More reliable. More value.

Deploying breakthrough, patented technology, MonoScan assures accurate measurements even under changing conditions. This self-calibrating product represents a unique combination of strength, performance and value.



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.

Communications and Control

MonoScan® includes optional digital communication via RS 485 – Modbus and compatibility with HART protocol. It can control different devices through its three SPDT relays.

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

Petrochemicals

Pharmaceuticals

Chemical processes

Food & Beverage industries

Water & Waste water



Liquid, Solid, Open Channel Flow

Measuring Ranges

Solids -

Short-Range: 0.2-5m (0.6-16 ft) Standard-Range: 0.6-8.5m (1.9-28 ft)

Measurement Accuracy

Resolution

Power Supply

Load

Current Output

Mounting Option

Temperature Range

Ambient Compensation

Housing Type

Housing Material

Enclosure Rating

Beam Angle

Sensor Type

Operating Temp'

Sensor material

Sensor Housing

Display

Communication

Interface

Relays

Trigger Points

Weight

Enclosure Dimensions

Certifications*

Liquids and Flow-

Short-Range: 0.2-5m (0.6-16 ft)

Standard-Range: 0.6-15m (1.9-49 ft)

0.25% of measuring range

3 mm (0.11 inch)

12-28VDC (0.1A surge)

750 ohm @ 28VDC

4-20mA loop

2" NPT/2" BSP

-40°C to +70°C (-40°F to +158°F)

Integral

Integrated (Mono-Block)

ABS + UV

IP 65

5° @ 3db point

25 KHz

-40°C to +70°C (-40°F to +158°F)

Stainless Steel 316L or Coated Aluminum

PP/PVDF

LCD (4 digits – 7 segments)

N/A

N/A

N/A

N/A

Up to 1.4 Kg (3.08 lb)

289mm x 107mm x 85mm

CE - EMC ATEX: EX ia IIC T4

FM: Class I Division 1 Group A T4 CSA: Class I, II, III, Group A,B,C,D,E,F and G

* Consult factory







for availability

MonoScan® is registered trademark of Solid Applied Technologies Ltd.

Specifications are subject to change without notice

Liquid, Solid, Open Channel Flow

Liquids and Flow-

0.2-5m (0.6-16 ft) Short-Range: Standard-Range: 0.6-15m (1.9-49 ft)

Solids -

Short-Range: 0.2-5m (0.6-16 ft) Standard-Range: 0.6-8.5m (1.9-28ft)

0.25% of measuring range

3 mm (0.11 inch)

12-28VDC (0.1A surge); 100-240 VAC 50/60 Hz 30 mA

750 ohm @28VDC

4-20mA

2" NPT/2" BSP

-40°C to +70°C (-40°F to +158°F)

Integrated (Mono-Block)

ABS + UV

IP 65

5° @ 3db point

25 KHz

-40°C to +70°C (-40°F to +158°F)

Stainless Steel 316L or Coated Aluminum

PP/PVDF

LCD (4 digits – 7 segments)

RS485

Modbus-RTU, HART*

3 SPDT

6 Points

Up to 1.4 Kg (3.08 lb)

289mm x 107mm x 85mm

CE - EMC ATEX: EX ia IIC T4 FM: Class I Division 1 Group A T4 CSA: Class I, II, III, Group A,B,C,D,E,F and G









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