MicroScan[®] MonoScan[®]

2-wire ultrasonic continuous level measurement for liquids, solids and for open channel flow

MonoScan[®] and MicroScan[™] are non-contact ultrasonic continuous level measurement products based on our patented technology. These systems offer affordable solutions for a variety of applications and industries: Water, Wastewater; Petrochemical; Chemical, Food and Beverage.

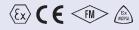
MicroScan™

- Our entry level cost effective product
- · Fast setup, configuration and commissioning
- Maximum range of 5 meters (16ft) for liquid measurements
- 4-20mA output and optional LCD display
- False echo tracing
- Direct installation on tanks, vessels and reactors
- Independent hand held programming unit for fast configuration of multiple units
- Perfect for diesel oil tank measurements

CE

MonoScan[®]

- Extended range of 0.25 to 15 meter (0.8ft to 49ft)
- Integral LCD display, keypad and integral 4-20mA output
- Automatic compensation for different environments
- Approved for installations in hazardous areas (Ex)
- · Simple to install and configure
- · Direct installation on tanks, vessels and reactors



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Applications

Water & Waste water Petrochemicals Chemical processes

Micro.Sca

Food & Beverage industries



Data Sheet

MonoScan®

MicroScan™

| Туре | Ultrasonic 2-wire mono-block | Ultrasonic 2-wire monoblock |
|--------------------------|---|---|
| Max range for liquids | 5 meter (short) / 16.5ft | 5 meter / 16ft |
| | 15 meter (std) / 49ft | |
| Max range for solids | 3.5 meter (short) / 11.5ft | 3.5 meter (11.5ft) |
| | 8.5 (std) / 28 ft | |
| Min range for liquids | 0.25 meter (short) / 0.8ft | 0.25 meter /0.8ft |
| | 0.60 meter (std) / 2ft | |
| Measuring accuracy | 0.25% of max range* | 0.25% of max range* (1 cm max) |
| | (1 cm max [short]) | |
| | (3.5 cm max [std]) | |
| Transmission frequency | 25KHz | 25KHz |
| Temperature compensation | Internal | Internal |
| Power supply | 12 – 28 VDC | 12 – 28 VDC |
| Loop current load | 750 ohm @ 28VDC | 750 ohm @ 28VDC |
| Output signal | 4 - 20mA | 4 - 20mA |
| Transmitter | ABS + UV | ABS + UV |
| Material Sensor | Polypropylene or PVDF (optional) | Polypropylene or PVDF (optional) |
| Acoustic window | ECTFE | ECTFE |
| Mounting thread | 2" BSP or 2" NPT | 2" BSP or 2" NPT |
| Operating Temperature | -40°c to +70°c (-40°F to 158°F) | -40°c to +70°c (-40°F to 158°F) |
| IP Protection | IP 65 | IP 65 |
| Display | Integral LCD (4 digits) | Optional Integral LCD (4 digits) |
| Cable connection | 1 X Conduit " NPT (options of gland or M20) | 1 X Conduit " NPT (options of gland or M20) |
| Weight | 1.4 Kg max | 0.75 Kg |
| Dimensions | Approx 29 X 11 X 9 cm3 | Approx 23 x 11 x 6 cm3 |
| Certifications | CE | CE |
| | ATEX, FM, NEPSI (optional) | |
| | | |

(*) Tested in a controlled laboratory enviro

Monoscan[®] and Microscan[™] are registered trademarks of Solid Applied Technologies Ltd.



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All specifications are subject to change without notice

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