SL-730 SERIES

Sonic Eye™ Non-Invasive Bottom-Up Continuous Level Transmitter For Semiconductor/Pharmaceutical Industry
Patent No.7694560

The Non-Invasive Bottom Up Sonic Eye™ Series Ultrasonic Sensor with integral electronics is mounted outside at the bottom of the plastic container without coupling compound (dry coupling). For continuous operation the electronics generate an ultrasonic energy burst which is transmitted through the plastic container wall and liquid inside. The ultrasonic energy is reflected back from the air/liquid interface to the sensor which is then converted back to an electrical signal. The electronics digitally process the returned signal using digital signal averaging which automatically eliminates false reflected echoes and provides reliable output.

FEATURES:
- Non-Invasive miniature sensor outside the container
- Integral Electronics / Remote
- Multiple choice of input/output
- Dry Coupling
- Range of plastic bottles from 1” (25.4mm) to 8” (203.2mm) diameter
- Wall thickness up to 0.25” (6.35mm)
- Independent of shape & size of bottom of container
- No displacement of liquid volume
- Eliminates fluid contamination problem
- No calibration required
- Dead Zone: 0.5” (12.7mm)

APPLICATONS:
Chemical Analyzer
Chromatography
Clinical Chemistry
Hemodialysis
Immunu Chemistry
Kidney Dialysis
Medical Laser System
Semiconductor

TYPICAL LIQUIDS:
Reagents
Diluent
Waste
Washing Detergent
Coolant
Saline Solution
Pure Water

Consult Factory For Stainless Steel / Glass Container
Continuous Level Sensors

If within 30 days of delivery the unit does not perform according to our claims and was properly installed in an application that does not exceed our stated performance specifications, the unit may be returned for full credit.

WARRANTY: Cosense equipment is warranted against intrinsic defects for a period of eighteen months from the date of shipment. Specifications to change without notice.

Visit Our Website: www.cosense.com

SL-730 SERIES
CONTAINER BOTTOM PATTERNS

DIMENSIONAL DRAWINGS

CONSULT FACTORY FOR
• LESS THAN 1.0”[25.4mm]
DIAMETER BOTTLE
• METAL / GLASS CONTAINER

SPECIFICATIONS:

Range: 1” to 10” (25.4mm to 254mm) [consult factory for longer range]
Container Material: Plastic
Container Diameter: 1” (25.4mm) to 8” (203.2mm)
Accuracy: ± 0.15” (0.63mm) or better
Dead Zone: 0.5” (12.7mm) typical

Input Power: +5VDC, 24VDC, 250mA [typical
Output: Continuous 0-5 Volt, RS-232 P.C. compatible, one alarm
Local Display: Optional
Sensor Material: ABS or Equivalent
Temperature Range: -20°F to +158°F (-29°C to 70°C)

HOW TO ORDER

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>ELECTRONICS</th>
<th>ELECTRONICS INPUT</th>
<th>ELECTRONICS OUTPUT</th>
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<tbody>
<tr>
<td>16701</td>
<td>Integral</td>
<td>5VDC</td>
<td>0-5Volt, One Alarm (OEM)</td>
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<td>16702</td>
<td>Integral</td>
<td>24 VDC</td>
<td>0-5Volt, One Alarm (OEM)</td>
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<td>16703</td>
<td>Remote</td>
<td>24 VDC</td>
<td>0-5Volt, RS-232, One Alarm</td>
</tr>
</tbody>
</table>

For Remote Local Display – add “-D” to P/N, e.g. 16701-D

Performance Guarantee

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