THE TURBITEChw² D-ISO SENSOR HAS BEEN SPECIFICALLY DESIGNED TO MONITOR FINAL TREATED, POTABLE AND FILTER WATER. THIS EXTREMELY SENSITIVE SENSOR CAN MEASURE CHANGES IN TURBIDITY OF LESS THAN 0.01 NTU.

RELIABLE
- The flow-through cell design captures stray light to ensure a stable zero point.
- The automatic self-cleaning mechanism prevents the build up of fouling in and around the chamber, making it the benchmark for low-range turbidity measurement.
- The global standard light-scatter technique makes the sensor sensitive to a wider range of particle sizes.

LOW-MAINTENANCE
- Low-maintenance operation, with no tools or training required.
- To calibrate, use either a wet turbidity standard or the dry calibration reference cell supplied with the sensor.
- The reference cell provides an extremely easy, repeatable method of checking sensor performance without the cost and inherent errors associated with chemical standards.

ISO COMPLIANT
- The sensor complies with the internationally recognized ISO7027 standard for turbidity measurement.

FULLY SUPPORTED
- We provide total field support
- Technical support is just a phone call away.

Applications:
- RAW WATER
- PROCESS CONTROL
- FINAL WATER MONITORING
- FILTERED WATER
- FILTER BACKWASH CONTROL
- CLARIFIER SUPERNATANT
## TurbiTech\textsuperscript{\textregistered} D-ISO Turbidity Sensor

<table>
<thead>
<tr>
<th><strong>GENERAL</strong></th>
<th>TurbiTech\textsuperscript{\textregistered} D-ISO Sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>300mm (11.8&quot;) x 185mm (7.2&quot;) x 128mm (5&quot;) (HxWxD)</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>3.9kg (inc. 5m of cable)</td>
</tr>
<tr>
<td><strong>PROTECTION CLASS</strong></td>
<td>IP65</td>
</tr>
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<td><strong>CABLE ENTRIES</strong></td>
<td>Integral Cable Gland</td>
</tr>
<tr>
<td><strong>WETTED PARTS</strong></td>
<td>Black acetal, Polypropylene, Nylon, Chrome Plated Brass, Spectrosil 2000, Nitrile</td>
</tr>
<tr>
<td><strong>OPERATING TEMPERATURE</strong></td>
<td>0 to 50°C</td>
</tr>
<tr>
<td><strong>POWER SUPPLY</strong></td>
<td>12VDC from monitor</td>
</tr>
<tr>
<td><strong>CABLE TYPE</strong></td>
<td>4 core, 2 twisted pair 5 mm outside diameter, polyurethane coated</td>
</tr>
<tr>
<td><strong>CABLE LENGTH</strong></td>
<td>5 metres as standard, other lengths can be supplied on request</td>
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<td><strong>SERVICE REQUIREMENT</strong></td>
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### GENERAL

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**PROTECTION CLASS**
IP65

**CABLE ENTRIES**
Integral Cable Gland

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12VDC from monitor

### DIMENSIONS

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**OPERATING TEMPERATURE**
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**POWER SUPPLY**
12VDC from monitor

### MEASUREMENT

**RANGE**

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<th><strong>ACCUACY</strong></th>
<th><strong>LIMIT OF DETECTION</strong></th>
<th><strong>MINIMUM OPERATING RANGE</strong></th>
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<tr>
<td>0 TO 30 NTU</td>
<td>± 2% of measured value or ±0.02 NTU whichever is greater</td>
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<td>0 - 3 NTU</td>
</tr>
<tr>
<td>0 TO 200 NTU</td>
<td>± 2% of measured value or ±0.1 NTU whichever is greater</td>
<td>0.5 NTU</td>
<td>0 - 20 NTU</td>
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**MEASUREMENT PRINCIPLE**
90° Light Scatter, ISO 7027 Compliant

**FLOW RATE**
0.5 L/min to 3 L/min

**PRESSURE RATING (MAX)**
2 Bar

**UNITS**
NTU, FTU, FNU

It has been assumed that 1 NTU = 1 FTU = 1 FNU for purposes of this document

**Warranty**
2 Years

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