Turbidity Analyser FMTC-Mi100
Micro Range Measurement with ISO 7027 Compliance

**Features**

- Compact design, wall, pipe mounted
- Prevention of dew condensation is in-built in system
- Built-in bubble removal design ensures accurate analysis
- LED light source with a long life
- IP65 dust and water proof structure
- Neophelometric measurement - ISO 7027
- Lowest detection limit

**Applications**

- Drinking water / municipal water
- RO water
- Ultra filtration
- SWRO
- Surface water, well / ground water
- Leakage control heat exchanger
- Ultra pure water generation
### Specifications

<table>
<thead>
<tr>
<th>Display Type</th>
<th>Non Display Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model no.</strong></td>
<td>FMTC-Mi 100</td>
</tr>
<tr>
<td><strong>FMTC-Mi-A 100</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Measuring method</strong></td>
<td>90 degree scattered light method</td>
</tr>
<tr>
<td><strong>Light source</strong></td>
<td>LED</td>
</tr>
<tr>
<td><strong>Measuring range</strong></td>
<td>0.0001 – 100.00 (NTU/FNU)</td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>+/-5% of reading or +/-0.02NTU (whichever is greater)</td>
</tr>
<tr>
<td><strong>Repeatability</strong></td>
<td>+/-5% of reading or +/-0.02NTU (whichever is greater)</td>
</tr>
<tr>
<td><strong>Response time</strong></td>
<td>Less than 30 sec</td>
</tr>
<tr>
<td><strong>Turbidity unit</strong></td>
<td>NTU / FNU / None</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>LCD monitor</td>
</tr>
<tr>
<td><strong>Display resolution</strong></td>
<td>0.0001 – 9.9999 NTU: 0.0001 NTU</td>
</tr>
<tr>
<td><strong>10.000 – 100.00 NTU: 0.001 NTU</strong>:</td>
<td></td>
</tr>
<tr>
<td><strong>Source voltage</strong></td>
<td>DC24V ± 10%, as Standard / 110-230 VAC optional</td>
</tr>
<tr>
<td><strong>Consumption current</strong></td>
<td>Normal Operation: 100 mA / Startup: 600 mA</td>
</tr>
<tr>
<td><strong>Digital communication</strong></td>
<td>MODBUS (RS485)</td>
</tr>
<tr>
<td><strong>TC-Mi protocol (RS485)</strong></td>
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</tr>
<tr>
<td><strong>Analog output</strong></td>
<td>4 to 20 mA analog output</td>
</tr>
<tr>
<td><strong>Self-checking output (open collector)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Power rating</strong></td>
<td>Less than 600mA</td>
</tr>
<tr>
<td><strong>Measuring water flow rate</strong></td>
<td>100 – 200 mL / min</td>
</tr>
<tr>
<td><strong>Measuring water temperature</strong></td>
<td>0 ± 50º (no freezing)</td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>-20 ± 50º humidity 95% Rh or less</td>
</tr>
<tr>
<td><strong>Main materials</strong></td>
<td>PP-GF AES SUS316L</td>
</tr>
<tr>
<td><strong>Dimension</strong></td>
<td>Approx. 157(H) x 259(W) x 147(D) mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>Approx. 2 kg</td>
</tr>
<tr>
<td><strong>Protective construction</strong></td>
<td>IP65</td>
</tr>
<tr>
<td><strong>Optional</strong></td>
<td>Flowmeter (FMTC-Mi-FL)</td>
</tr>
</tbody>
</table>

Note: Specifications and design are subject to change without prior notice.

### Dimensions (mm)

- **Sample In**: 8mm
- **Sample Out**: 10mm

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![Diagram of the instrument](image-url)