Hydrostatic Level measurement
Waterpilot FMX11

Simple and reliable level probe for freshwater applications

Benefits:
- Simple and reliable transmitter for various drinking water applications
- Easy installation, commissioning and operation
- Orderable with flexible measuring ranges and cable lengths tailored to fit your application
- Robust construction for durable long-term services
- Suitable for surface water monitoring in rivers and lakes as well as level monitoring for drinking water production, e.g. in water towers, dams, gauging stations
- Compact size d=22mm (0.87”), makes this an excellent choice for applications in bore holes and small diameter stilling wells.
- Simple specification and ordering

Specs at a glance
- **Accuracy** pn ≥ 400mbar: 0.35 % pn < 400mbar: 0.50 %
- **Process temperature** -10°C...+70°C (+14°F...+158°F)
- **Pressure measuring range** 200 mbar...2 bar (3 psi...29 psi)
- **Process pressure / max. overpressure limit** 10 bar (145 psi)
- **Main wetted parts** 316L

Field of application: The Waterpilot FMX11 transmitter is typically used in environmental applications for hydrostatic level measurement. It is certified for drinking water applications and can be used in wells, storage tanks, water towers, dams, gauging stations, lakes and rivers.

Features and specifications
<table>
<thead>
<tr>
<th>Pressure</th>
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</table>
| **Measuring principle**  
Hydrostatic pressure |
| **Characteristic**  
Compact probe with metallic cell for hydrostatic level measurement  
in fresh water, ground water and potable water storage. |
| **Supply voltage**  
8...28 VDC |
| **Reference Accuracy**  
| \( pn \geq 400 \text{mbar} \): 0.35 %  
| \( pn < 400 \text{mbar} \): 0.50 % |
| **Long term stability**  
0.1 % of URL/year |
| **Process temperature**  
-10°C...+70°C  
(+14°F...+158°F) |
| **Ambient temperature**  
-10°C...+70°C  
(+14°F...+158°F) |
| **Measuring cell**  
200 mbar...2 bar  
(3 psi...29 psi) |
| **Process connection**  
Suspension clamp  
Cable mounting screws |
| **Material process membrane**  
Metal |
| **Communication**  
4...20 mA |
## Pressure

**Drinking water approvals**
NSF, KTW, ACS

## Continuous / Liquids

**Measuring principle**
Hydrostatic

**Characteristic / Application**
Compact probe with metallic cell for hydrostatic level measurement in fresh water, ground water and potable water storage.

**Supply / Communication**
8...28 VDC

**Accuracy**
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<th><strong>Max. measurement distance</strong></th>
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