

## Radar steps into new dimensions

### Micropilot FMR10/FMR20 – innovative and efficient

Continuous non-contact level measurement with the perfect fit for liquid and solid applications in industries like water & wastewater or mining, minerals and metals, for example.

#### Innovative

- Non-contact radar with *Bluetooth*<sup>®</sup> commissioning, operation and maintenance app
- Most compact radar due to unique chip design

#### Efficient

- Best price-performance-ratio radar
- Simple, safe and secure wireless remote access via *Bluetooth*<sup>®</sup> – even in hazardous areas or places difficult to reach



Micropilot FMR10 and FMR20 belong to the first non-contact radars with *Bluetooth*<sup>®</sup> commissioning, operation and maintenance app. Signal curves can be shown via app on every *Bluetooth*<sup>®</sup> enabled smartphone or tablet (iOS, Android). Operation is also possible via HART or remote display.

Furthermore the FMR10 and FMR20 are the most compact radars in their class thanks to unique radar chip design with integrated radio frequency components and direct emission transceiver – invented by Endress+Hauser. With the compact design the devices fit also in limited space applications.



### SmartBlue-App

- Time saving mobile access to device, diagnostics and process information even in hazardous areas
- Secure data transmission for fast and reliable configuration and maintenance, reviewed by Fraunhofer Institute
- Status of various devices at a glance with the live list allows efficient maintenance



### Your benefits

- Non-contact radar with app using *Bluetooth*<sup>®</sup> (iOS, Android) for commissioning, operation and maintenance – saves time and reduces costs
- Simple, safe and secure wireless remote access via *Bluetooth*<sup>®</sup> – even in hazardous areas or places difficult to reach
- Most compact radar due to unique radar chip design – fits in limited space installations
- Full PVDF body guarantees a long sensor lifetime
- Hermetically sealed wiring and fully potted electronics – eliminates water ingress and allows operation under harsh environmental conditions

### Technical data

- Process temperature:  
-40 up to +80 °C  
(-40 up to +176 °F)
- Process pressure:  
-1 to +3 bar (-14.5 to +43 psi)
- Accuracy liquid:  
Up to ±2 mm (0.08");  
accuracy solid:  
Up to ±5 mm (0.2")
- Ingress protection:  
IP 66, 68/NEMA 4x, 6P
- Measuring range liquid:  
FMR10 up to 5 m (16.4 ft),  
FMR20 up to 20 m (66 ft);  
measuring range solid:  
FMR20 up to 10 m (32.8 ft)

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