



Level

# Radar level measurement

## Micropilot M

### Experts for the process industry



FMR240

FMR244

### Experts for corrosive / hygiene applications



FMR245

FMR231

### Experts for high temperature / high pressure



FMR230

### Specialists for powdery and bulk solids



FMR250

FMR240

FMR244

#### Micropilot FMR240, FMR244

- The basic design for liquid storage
  - Wide range of process connections
  - Gastight feedthrough for highest safety (FMR240)
  - Process connections from 1½"
  - Optional enhanced dynamics for strongest signal evaluation
- Temperature up to +150°C / +302°F
  - Pressure up to +40bar / +580psi
  - Measuring range max. 40m / 131ft

#### Micropilot FMR245, FMR231

- Full PTFE filled horn or PTFE coated rod antenna for highest chemical resistance
  - Gastight feedthrough for highest safety
  - FDA listed PTFE for hygiene requirements
  - 3A approved design (FMR245)
  - Flush mountable (FMR245)
  - Optional enhanced dynamics for strongest signal evaluation
- Temperature up to +200°C / +392°F
  - Pressure up to +40bar / +580psi
  - Measuring range max. 40m / 131ft

#### Micropilot FMR230

- Antenna design for extreme conditions
  - Ceramic coupling with graphite sealing to withstand temperatures up to 400°C / 752°F
  - Gastight feedthrough for highest safety
- Temperature up to +400°C / +752°F
  - Pressure up to +160bar / +2,320psi
  - Measuring range max. 20m / 65ft

#### Micropilot FMR250, FMR240, FMR244

- Basic (FMR244/FMR240) or standard (FMR250) devices for solids
  - FMR244 up to 15m/49ft<sup>1)</sup>
  - FMR240 up to 30m/98ft<sup>1)</sup>
  - FMR250 up to 50m/164ft (horn)
  - FMR250 up to 70m/230ft (parabolic)
  - FMR250 air purge connection in standard
  - Optional alignment units
- Temperature up to +200°C / +392°F
  - Pressure up to +16bar / +232psi

<sup>1)</sup> use enhanced dynamics (Option F)

## Safe

- SIL2 (MIN/MAX) approved devices
- Ex protection for all hazardous areas
- Gastight feedthrough for highest safety
- Full PTFE filled horn antennas for highest chemical resistance

## Precise

- Unaffected by density/temperature or conductivity changes
- 5 point linearity protocol for approved accuracy
- ±3mm standard accuracy, ±2mm optional (1mm available in Micropilot S FMR5xx series) (n.b. accuracy indications always under reference conditions)

## Efficient

- Intuitive, menu-guided operation concept (on-site or via control system) in national languages
- Simple integration into control or asset management systems
- Easy and exact plain text diagnostics
- FieldCare software for easy and convenient operation



Level

# Radar level measurement

## Know-how for the entire life cycle of your product

