

## Technical Information

# Micropilot M FMR250

## Level-Radar

Smart Transmitter for continuous and non-contact level measurement in solids.

Cost-effective 4...20 mA 2-wire technology.



### Application

The Micropilot M performs continuous, non-contact level measurement especially in powdery to granular bulk solids. Additionally it can be used in liquids as well. Dust, filling noises, temperature layers and gas stratification do not affect measurement.

Typical areas of application are:

- Level measurement in tall silos with extremely dusty bulk solids e.g. cement, raw meal or animal feed.
- Applications with high temperature requirements up to 200 °C (392 °F), e.g. clinker or fly ash.
- Applications with highly abrasive bulk solids e.g. ferrite.

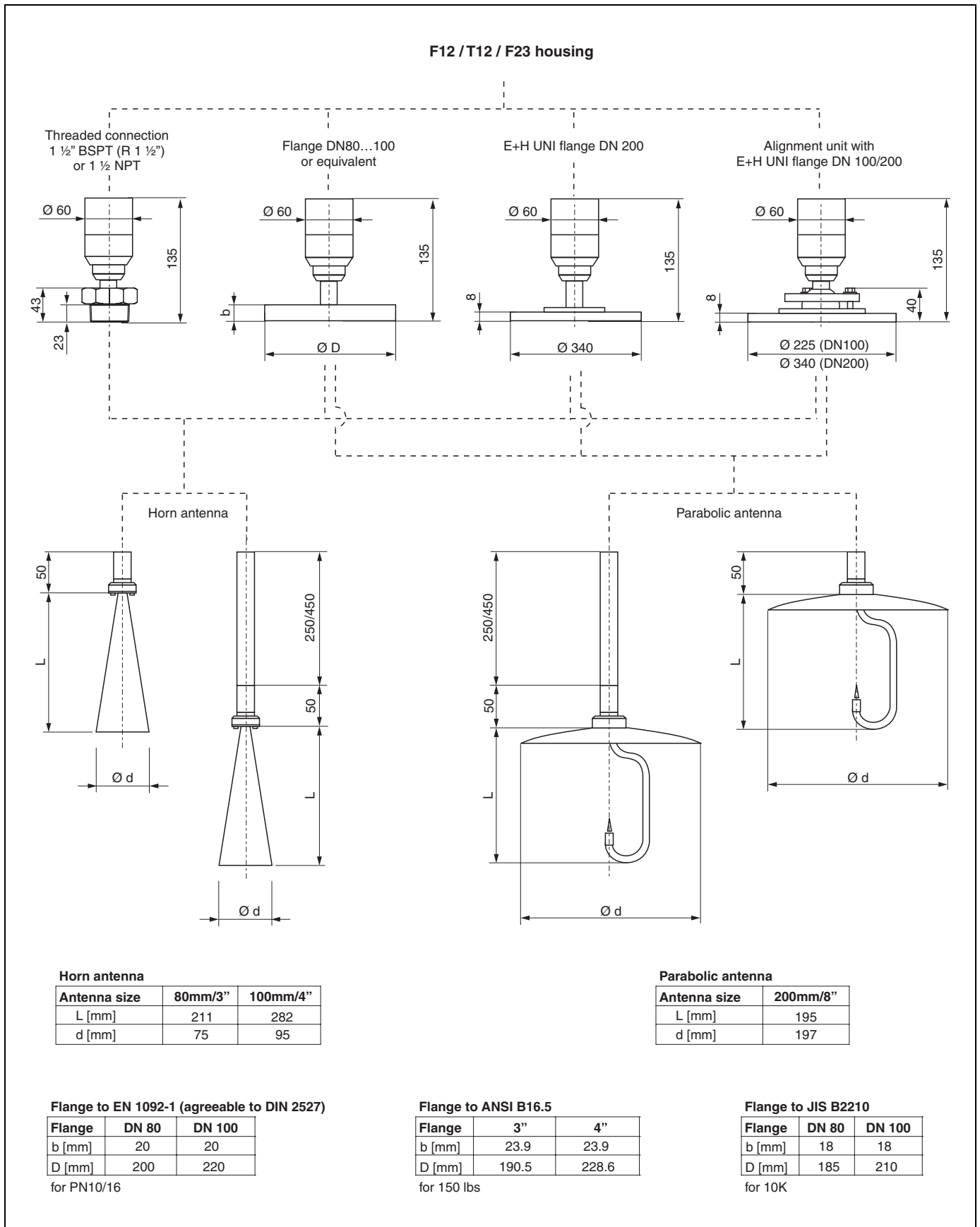
The FMR250 with DN80 or DN100 horn antenna for all standard applications, particularly also for small nozzle sizes.

The FMR250 with DN200 parabolic antenna offers high beam focussing of 4° and is thus ideal for applications with many installations.

### Your benefits

- 2-wire technology, low price:  
2-wire technology reduces wiring costs and allows easy implementation into existing systems.
- Non-contact measurement:  
Measurement is almost independent from product properties.
- Easy on-site operation via menu-driven alphanumeric display.
- Easy commissioning, documentation and diagnostics via operating software (ToF Tool).
- Integrated air purge connection for extremely dusty conditions or media tending to create build-up.
- Max. measuring range 70 m (229 ft).
- Suitable for process temperatures up to 200 °C (392 °F).
- HART or PROFIBUS PA protocol.
- Optional remote display and operation.

Micropilot M FMR250 - process connection, type of antenna



L00-FMR250xx-06-00-00-en-005