

# Bulk Material Level Measurement

Covering all applications from simple silos, dusty hoppers, up to high temp. furnaces, smelters, kilns, incinerators

## For simple storage silos

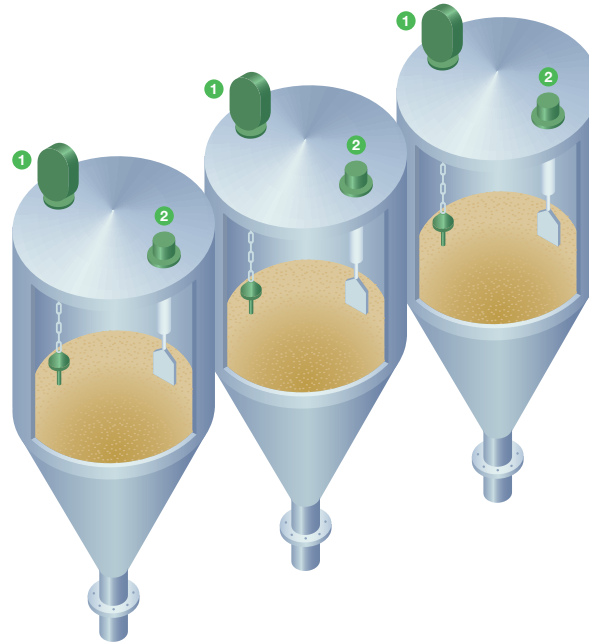
### 1 Sounding V

- Mature sensing weight principle
- Easy set up & reliable performance
- Interval timer & fault alarm integrated



### 2 Rotary Paddle Level Switch

- Mature principle with light-weight and robust construction
- Suitable for granular and bulk solid
- Probe length Max. 750mm



## For dusty hoppers

### 3 Pulse Radar Type Microwave Level Meter

- 26GHz radar technology
- Maximum 70m long range
- 2-wire, HART communication



### 4 Capacitance Level Switch

- Wide variety of applications from powder to bulk solid
- Probe electrode and wire-extension available
- High temperature type available



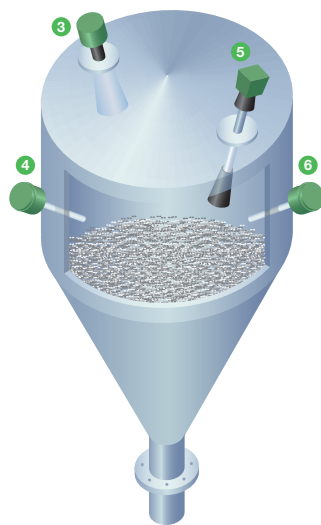
### 5 Ultrasonic Transmitter

- Wider variety of applications
- Faster response time
- Maximum 70m long range



### 6 Vibrating Level Switch

- Applicable for low specific gravity powder
- Probe construction efficient for build-up
- Probe length Max. 1500mm



## For high temp. furnaces, smelters, incinerators

### 7 FMCW Type Microwave Level Meter

- FMCW radar technology
- Originally designed for furnace
- 10mW microwave oscillation power



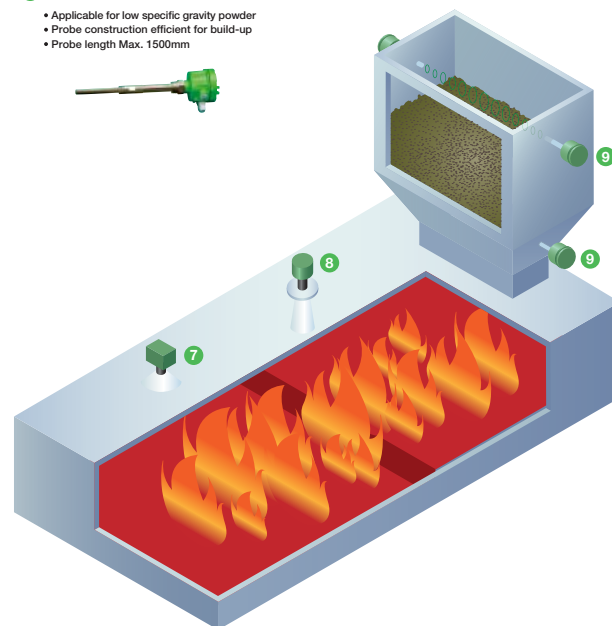
### 8 Pulse Radar Type Microwave Level Meter

- 5.8GHz radar technology
- Optimized for short range up to 35m
- 4-wire, RS485 communication



### 9 Microwave Barrier Switch

- Non-contact point level detection with radar technology
- Maximum 100m long detection range
- No influence from high temperature, pressure, etc.



## Sounding V at storage silo



## Ultrasonic transmitter for stacker-reclaimer



## Pulse radar level meter at chemical powder silo



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