Non-Contact or Guided Radar Measurement on Coal Powder or Solid Coal Applications

Coal is normally soft and not abrasive. RM71 is an ideal solution for level measurement. Either the 4 mm or 8 mm cable can be used with the RM71, depending upon the coarse weight and tank height to be measured. Optionally, for the non-contact radar, one can use the FMCW (frequency modulated continuous wave) RM70 with up to a 4” horn antenna or 6” drop antenna depending upon the tank height.

If there is a lot of dust in the silo, it’s also recommended to use a purging option that is available with the horn antenna version of the RM70.

This solution is ideal in coal bunkers/hoppers in coal-fired power plants, blending silos and coal storage silos.

The RM71 with a single cable probe of 8 mm measures coal powder in a silo of 17 meters.

- **Silo**: Vertical cylinder; height: 17m
- **Product**: Coal power
- **Temperature**: Ambient
- **Device**:
  - Connection: DN 150 PN 40
  - Sensor: Single cable 8 mm
  - Sealing: Viton
  - Approval: Exi
  - Mode: Direct
The RM70 non-contact radar measures solid powder in a vertical cylindrical tank of 8 m height with conical bottom.

- **Tank**: Vertical with conical bottom; height: 8m
- **Product**: Coal
- **Temperature**: Ambient
- **Device**:
  - Connection: DN 80 PN 40
  - Antenna: DN 80
  - Sealing: Viton
  - Approval: Without

The RM71 Measures Coarse Coal

More Information

For more information on radar measurement, visit [http://www.honeywell.com/ps/hfs](http://www.honeywell.com/ps/hfs) or contact your Honeywell account manager.