

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 powder
- **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> or contact your Honeywell account manager.

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