



Close-up Range Distance Measurement



The **RaDist P60** distance sensor is based on 60.5 GHz pulse Radar. The Radar beam is focussed by a dielectric lens antenna.

RaDist P60 features high sampling rate and high distance resolution / accuracy.

It is fully sealed and molded with a cable tail with molded connector.

Distance Measurement e.g.:

- Industrial distance measurement for short range from 20 cm up to 200 cm
- Industrial liquid level measurement in containers e.g. IBC
- Industrial bulk material level measurement
- Distance measurement on rough surfaces e.g. the soil surface
- Distance measurement under challenging conditions e.g. dust, fog, wind, temperature gradients e.g. on hot surface

RaDist P60

RaDist P60 distance sensor is based on pulsed Radar. The beam is focussed by means of a dielectric lens.

RaDist P60 is available with different distance variants with set-ups for different distance ranges from 20 cm to 200 cm. It features an analogue 4 to 20 mA and serial RS-232 output.

Benefits and Advantages

- Distance measurement with high resolution and millimeter absolute accuracy
- Update rate up to 50 Hz depending on distance range
- 60.5 GHz (V-band) pulsed coherent distance radar with low output power (EIRP 10 dBm)
- Beam focussed with 10° aperture (3 dB) by dielectric plastic lens antenna
- 30 mm diameter stainless steel tube casing
- Distance measurement from 20 cm minimum up to 200 cm (depending on target) maximum
- Different application - specific product range set-ups available
- Robust function under adverse conditions e.g. dirt, dust and fog.
- Unsusceptible against varying lighting, machine noise, wind and temperature gradients.
- Environmental protection IP69K (with connector counter piece screwed on)
- Wide DC input range power supply

Technical Data

Radar Frontend:	V-band 60.5 GHz, pulsed coherent Radar
Casing:	fully encapsulated, flat tube stainless steel casing and plastic antenna
Dimensions:	30 mm diameter, length 108 mm without cable tail
Power supply:	8 to 30 V DC
Temperature range:	-20 °C to +70 °C
Output:	4 to 20 mA proportional to distance range, RS-232
Environmental protection:	IP69K (with screwed on connector)

Available from



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