



▶ **Solid performance**

**KROHNE**

▶ *achieve more*

▶ **OPTIWAVE 6300 C**

**The new FMCW radar level meter for solids**

Are you looking for reliable level measurement of powder, granulates and bulky solids, even in a dusty atmosphere?

With 20 years of experience in manufacturing FMCW radar level transmitters, and an antenna specifically designed to prevent deposit of dust, KROHNE offers the appropriate solution for solid measurement: OPTIWAVE 6300 C.



## OPTIWAVE 6300 C

### State-of-the-art instrument for solid applications

Contactless radar level measurement of powder, granulates and bulk solids in buffer silos, hoppers, bulk storage containers and on conveyor belts. Ideal for a large number of industries, such as mineral and mining (cement, lime, calcium carbonate, coke), food (salt, sugar), chemicals (plastic granulates), pulp and paper (woodchips) and power (fly ash).

The 24...26 GHz FMCW radar sends a powerful wave signal into silos for clear vision even through severe dust conditions.

The FMCW radar, due to its continuous wave generation, does not require expensive antenna aiming kits.

Its innovative *drop* antenna made of plain PP or PTFE minimizes product build-up; making purging systems obsolete and the device maintenance free.

The OPTIWAVE 6300 C is the only contactless 2-wire 24...26 GHz FMCW level radar for solids applications. Even 4- or 5-wire instruments cannot compete: customers thereby avoid the cost for extra wiring.

### Characteristics

Choose the ideal antenna for your application:

Antenna size	Material options	Measuring range
DN 80 ( <i>drop, horn</i> )	PP, PTFE, st. steel	up to 30 m (*)
DN 100 ( <i>horn</i> )	Stainless steel	up to 40 m (*)
DN 150 ( <i>drop</i> )	PP	up to 80 m (*)

(\*) depending on Er

All antennas can be retrofitted with extensions. For *drop* antennas in corrosive atmosphere, a flange protection made of PP or PTFE is also available. Purging systems are standard with *horn* antennas.

Minimum process connection: sizes from 1½NPT, G1½ and DN 80 upwards.

The device is ATEX certified. FM/CSA approval is pending.

Maximum temperature and pressure depends on the antenna and gasket materials:

Option	Max. flange temperature		Max. process pressure	
	°C	°F	bar	psig
<b>Antenna</b>				
PP <i>drop</i>	100	210	16	232
PTFE <i>drop</i>	150	300	40	580
Stainless steel <i>horn</i>	200	390	40	580
<b>Gasket</b>				
FKM/FPM and Kalrez® 6375	200	390	40	580
EPDM	150	300	40	580

**KROHNE: expert in the field of signal handling on non-flat surfaces and in most difficult solid applications since 1989.**



OPTIWAVE 6300 C  
DN 80 drop antenna



OPTIWAVE 6300 C  
DN 150 drop antenna



OPTIWAVE 6300 C  
DN 80 horn antenna

