



OPTIWAVE 6300 C Technical Datasheet

Non-contact Radar (FMCW) Level Meter for Solids

- One converter for all antenna types (PTFE Drop, PP Drop and metallic horn)
- The only guarantee for measuring accurately in dusty conditions
- Uses a unique Drop antenna design for very dusty atmospheres



2.1 Order code

Make a selection from each column to get the full order code. The characters of the order code highlighted in light grey describe the standard.

VF63	4	OPTIFLEX 6300 C 24 GHz Non-contact Radar (FMCW) level meter for solids
		Approval
	0	Without
	2	ATEX Ex ia IIC T3...T6 + DIP ①
	3	ATEX Ex d[ia] IIC T3...T6 + DIP ①
	6	FM IS CL I/II/III, DIV 1, GPS A-G; CL I, Zone 0, AEx ia IIC T3...T6
	7	FM XP-IS/DIP CL I/II/III, DIV 1, GPS A-G; CL I, Zone 0, AEx d [ia] IIC T3...T6
	B	INMETRO Ex ia IIC T3...T6 + DIP ①
	C	INMETRO Ex d ia IIC T3...T6 + DIP ①
	E	NEPSI Ex ia IIC T3 ~ T6 + DIP ①
	F	NEPSI Ex d ia IIC T3 ~ T6 + DIP ①
	H	CSA IS CL I/II/III, DIV 1, GPS A-G; CL I, Zone 0, Ex ia IIC T3...T6
	K	CSA XP-IS/DIP CL I/II/III, DIV 2, GPS A-D, F, G; CL I, Zone 0, Ex d IIC T3...T6
	M	IECEX Ex ia IIC T2...T6 + DIP ①
	N	IECEX Ex d ia IIC T2...T6 + DIP ①
	R	KGS Ex ia IIC T3 – T6 + DIP ①
	S	KGS Ex d[ia] IIC T3 – T6 + DIP ①
		Material of Process Connection / Antenna type and material (pressure)
	0	316L (1.4404) / Horn 316L (40 barg / 580 psig) – Drop PTFE (40 barg / 580 psig) – Drop PP (16 barg / 232 psig)
		Antenna type
	6	Horn DN80 (Ø75 mm / 2.95") long with purging system / max +200°C (+392°F)
	G	Horn DN100 (Ø95 mm / 3.74") long with purging system / max +200°C (+392°F)
	P	Drop PTFE DN80 (Ø75 mm / 2.95") long / max +150°C (+302°F)
	S	Drop PP DN80 (Ø75 mm / 2.95") long / max +100°C (+212°F)
	T	Drop PP DN150 (Ø144 mm / 5.67") long / max +100°C (+212°F)
	V	Sheet metal horn DN80 (Ø75 mm / 2.95") long + purging system / max +200°C (+392°F)
	W	Sheet metal horn DN100 (Ø95 mm / 3.74") long + purging system / max +200°C (+392°F)
	X	Sheet metal horn DN150 (Ø140 mm / 5.51") long + purging system / max +200°C (+392°F)
	Y	Sheet metal horn DN200 (Ø190 mm / 7.48") long + purging system / max +200°C (+392°F)
VF63	4	Order code (complete this code on the pages that follow)

				Antenna extension
				0 Without
				1 Extension 105 mm (4.13")
				2 Extension 210 mm (8.27")
				3 Extension 315 mm (12.40")
				4 Extension 420 mm (16.54")
				5 Extension 525 mm (20.67")
				6 Extension 630 mm (24.80") 2
				7 Extension 735 mm (28.94") 2
				8 Extension 840 mm (33.07") 2
				A Extension 105 mm (37.21") 2
				B Extension 1050 mm (41.34") 2
				Flange plate protection
				P Flange plate protection (PP) DN80, DN100, 3", 4", 80A, 100A 3
				R Flange plate protection (PP) DN150, 6", 8" 3
				S Flange plate protection (PTFE) DN80, DN100, 3", 4", 80A, 100A 3
				T Flange plate protection (PTFE) DN150, 6", 8" 3
				Feedthrough / Temperature / Sealing
				Non-Ex devices with a Drop antenna
				X Standard / -40...+150°C (-40...+302°F) / FKM/FPM
				Y Standard / -50...+150°C (-58...+302°F) / EPDM
				Other devices
				0 Standard / -40...+150°C (-40...+302°F) / FKM/FPM
				1 Standard / -20...+150°C (-4...+302°F) / Kalrez 6375
				2 Metaglas® / -30...+150°C (-22...302°F) / FKM/FPM
				3 Metaglas® / -20...+150°C (-4...+302°F) / Kalrez 6375
				4 Standard / -50...+150°C (-58...302°F) / EPDM
				5 Metaglas® / -30...+150°C (-22...+302°F) / EPDM
				F Standard / -40...+200°C (-40...+392°F) / FKM/FPM with distance piece included
				G Standard / -20...+200°C (-4...+392°F) / Kalrez 6375 with distance piece included
				H Metaglas® / -30...+200°C (-22...+392°F) / FKM/FPM with distance piece included
				K Metaglas® / -20...+200°C (-4...392°F) / Kalrez 6375 with distance piece included
				Process connection EN
				0 Without
				3 G 1½A ISO 228
				7 DN80 PN40 Form B1 EN 1092-1
				8 DN100 PN16 Form B1 EN 1092-1
				A DN100 PN40 Form B1 EN 1092-1
				B DN150 PN16 Form B1 EN 1092-1
				C DN150 PN40 Form B1 EN 1092-1
				D DN200 PN16 Form B1 EN 1092-1
				E DN200 PN40 Form B1 EN 1092-1
VF63	4			Order code (complete this code on the pages that follow)

