



OPTIWAVE 7500 C

Technical Datasheet

80 GHz Radar (FMCW) Level Transmitter for liquids in narrow tanks with internal obstructions

- Large measuring range from the antenna up to 100 m / 328 ft
- Small beam angle due to 80 GHz and process connections starting from ¼" thread
- PEEK Lens antenna insensitive to deposits

HART
COMMUNICATION PROTOCOL



2.1 Order code

Make a selection from each column to get the full order code.

VDFD	4	0	OPTIWAVE 7500 C 80 GHz radar (FMCW) level transmitter for liquids in narrow tanks with internal obstructions (up to 40 barg (580 psig) and 200°C (392°F))
			Regional directives
			1 Europe
			2 China
			3 USA
			4 Canada
			5 Brazil
			6 Australia
			A Russia
			B Kazakhstan
			C Belarus
			W Worldwide
			Ex approvals
			0 Without
			1 ATEX II 1/2 G Ex ia IIC T6...T3 Ga/Gb + II 1/2 D Ex ia IIIC T85°C...T150°C or T85°C...T200°C Da/Db
			2 ATEX II 1/2 GD Ex db ia IIC T6...T3 Ga/Gb + II 1/2 D Ex ia tb IIIC T85°C...T150°C or T85°C...T200°C Da/Db
			3 ATEX II 3 G Ex ic IIC T6...T3 Gc + II 3 D Ex ic IIIC T85°C...T150°C or T85°C...T200°C Dc
			5 NEPSI Ex ia IIC T3~T6 Ga/Gb + Ex iaD 20/21 T85...T150 or T85...T200
			6 NEPSI Ex d ia IIC T3~T6 Ga/Gb + Ex iaD 20/21 tD A21 IP6X T85°C...T150°C or T85°C...T200°C
			A cQPSus IS CL I/II/III DIV 1 GP A-G + CL I Z0 AEx ia/Ex ia IIC T6...T3 Ga + Z20 AEx ia/Ex ia IIIC T85°C...T150°C or T85°C...T200°C Da
			B cQPSus XP-IS/DIP CL I DIV 1 GP A-G + CL I Z1 AEx db ia/Ex db ia IIC T6...T3 Gb + Z21 AEx ia tb/Ex ia tb IIIC T85°C...T150°C or T85°C...T200°C Db ①
			C cQPSus NI CL I/II/III DIV 2 GP ABCDFG
			K IECEx Ex ia IIC T6...T3 Ga/Gb + Ex ia IIIC T85°C...T150°C or T85°C...T200°C Da/Db
			L IECEx Ex db ia IIC T6...T3 Ga/Gb + Ex ia tb IIIC T85°C...T150°C or T85°C...T200°C Da/Db
			M IECEx Ex ic IIC T6...T3 Gc + Ex ic IIIC T85°C...T150°C or T85°C...T200°C Dc
			P EAC Ex Ga/Gb Ex ia T6...T3 X + Da/Db Ex ia IIIC T85°C...T150°C or T85°C...T200°CX
			R EAC Ex Ga/Gb Ex d ia T6...T3 X + Da/Db Ex ia tb IIIC T85°C...T150°C or T85°C...T200°CX
			0 Construction
			0 Without
			2 CRN / ASME B31.3 2
			3 NACE (MR0175 / MR0103 / ISO 15156)
			4 ASME B31.3
			A CRN / ASME B31.3 + NACE (MR0175 / MR0103 / ISO 15156) 2
			B NACE (MR0175 / MR0103 / ISO 15156) + ASME B31.3
VDFD	4	0	0 Order code (complete this code on the pages that follow)

