



OPTIFLEX 7200 C/F/S/D Technical Datasheet

Guided radar (TDR) level transmitter for liquids in storage and process applications

- Premium device for level and interface measurement in the chemical, oil and gas industries
- Extensive choice of probes for all applications with ± 2 mm / 0.08" accuracy
- SIL 2/3-certified current and relay outputs

HART
COMMUNICATION PROTOCOL



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.

VFAA	4	4	OPTIFLEX 7200 C/F/S/D TDR Guided Radar I(TDR) level transmitter for liquids in storage and process applications up to 100 barg (1450 psig) and +250°C (+482°F)
			Regional directives or approvals
		1	Europe
		2	China
		3	USA
		4	Canada
		5	Brazil
		6	Australia
		A	Russia
		B	Kazakhstan
		C	Belarus
		W	Worldwide
			Ex approval \odot
		0	Without
		1	ATEX II 1/2 G Ex ia IIC T6...T* Ga/Gb + II 1/2 D Ex ia IIIC T85°C...T*°C Da/Db 2
		2	ATEX II 1/2 G Ex ia/db IIC T6...T3 Ga/Gb + II 1/2 D Ex ia/tb IIIC T85°C...T*°C Da/Db 2
		3	ATEX II 3 G Ex ic IIC T6...T* Gc + II 3 D Ex ic IIIC T85°C...T*°C Dc 2
		4	ATEX II 3 G Ex ic nA T6...T* Gc 2
		5	NEPSI Ex ia IIC T*~T6 Ga/Gb + Ex iaD 20/21 T85~T** 2
		6	NEPSI Ex d ia IIC T*~T6 Ga/Gb + Ex iaD 20 tD A21 IP6X T85°C~T*°C 2
		A	cQPSus IS CL I/II/III DIV 1 GP A-G + CL I Z0 AEx ia/Ex ia IIC T6...T* Ga + Z20 AEx ia/Ex ia IIIC T85°C...T*°C Da 2
		B	cQPSus XP-IS/DIP-IS CL I DIV 1 GP A-G + CL I Z1 AEx db ia/Ex db ia IIC T6...T* Gb + Z21 AEx ia tb/Ex ia tb IIIC T85°C...T*°C Db 2
		C	cQPSus NI CL I/II/III DIV 2 GP ABCDFG
		K	IECEx Ex ia IIC T6...T* Ga/Gb + Ex ia IIIC T85°C...T*°C Da/Db 2
		L	IECEx Ex ia/db IIC T6...T* Ga/Gb + Ex ia/tb IIIC T85°C...T*°C Da/Db 2
		M	IECEx Ex ic IIC T6...T* Gc + Ex ic IIIC T85°C...T*°C Dc 2
		P	EAC Ex Ga/Gb Ex ia T6...T* X + Da/Db Ex ia IIIC T85°C...T*°C X (Pending) 2
		R	EAC Ex Ga/Gb Ex ia/db IIC T6...T* X + Da/Db Ex ia/tb IIIC T85°C...T*°C X (Pending) 2
			Industry / safety
		0	Without
		1	SIL2/3 – only available for the compact (C) and sensor extension with compact (S) versions
VFAA	4	0	Order code (complete this code on the pages that follow)

										Probe / Probe end / Material
										0 Without
										1 Single rod Ø8 mm (0.32") / none / 316L - 1.4404 / 0.6...4 m (1.97. 13.12 ft)
										2 Single rod Ø8 mm (0.32") segmented / None / 316L - 1.4404 / 0.6...6 m (1.97. 19.69 ft)
										3 Single rod Ø8 mm (0.32") / none / HASTELLOY® C-22® / 0.6...4 m (1.97. 13.12 ft)
										4 Single rod Ø10 mm (0.39") / none / fully TFM-T62 PTFE-coated / 0.6...4 m (1.97. 13.12 ft)
										6 Single cable Ø4 mm (0.16") / counterweight 20×100mm / 316 - 1.4401 / 1.0...60 m (3.28 196.85 ft)
										7 Single cable Ø4 mm (0.16") / turnbuckle / 316 - 1.4401 / 1.0...60 m (3.28. 196.85 ft)
										8 Single cable Ø4 mm (0.16") / chuck / 316 - 1.4401 / 1.0...60 m (3.28. 196.85 ft)
										A Single cable Ø4 mm (0.16") / threaded end / 316 - 1.4401 / 1.0...60 m (3.28. 196.85 ft)
										B Single cable Ø4 mm (0.16") / crimped end / 316 - 1.4401 / 1.0...60 m (3.28. 196.85 ft)
										C Single cable Ø4 mm (0.16") / open end / 316 - 1.4401 / 1.0...60 m (3.28. 196.85 ft)
										K Coaxial Ø22 mm (0.87") / none / 316L - 1.4404 / 0.3...6 m (0.98...19.69 ft)
										L Coaxial Ø22 mm (0.87") segmented / none / 316L - 1.4404 / 0.3...6 m (0.98...19.69 ft)
										N Coaxial Ø22 mm (0.87") / none / HASTELLOY® C-22® / 0.3...6 m (0.98...19.69 ft)
										P Coaxial Ø42 mm (1.65") / none / 316L - 1.4404 / 0.6...6 m (1.97...19.69 ft)
										R Coaxial Ø42 mm (1.65") / none / HASTELLOY® C-22® / 0.6...6 m (1.97...19.69 ft)
										T Double rod 2×Ø8 mm (0.32") / none / 316L - 1.4404 / 0.6...4 m (1.97...13.12 ft)
										U Double cable 2×Ø4 mm (0.16") / counterweight 38×60mm / 316 - 1.4401 / 1.0...14 m (3.28...45.93ft)
										V Reversed interface Ø10 mm (0.39") / none / 316L - 1.4404 / 1.0...4 m (3.28...13.12 ft)
										W Reversed interface Ø10 mm (0.39") / none / HASTELLOY® C-22® / 1.0...4 m (3.28...13.12 ft)
VFAA	4	0								Order code (complete this code on the pages that follow)

