

Product name	VEGAFLEX 81
Model code	FX81.ACPAIFAXAMAM
eID	DE292449308
Quantity	1
	On request

TDR sensor for continuous level and interface measurement of liquids

Application area

The VEGAFLEX 81 level sensor measures maintenance-free all kind of liquids. Even in applications with vapour, buildup, foam generation and condensation, the sensor delivers precise and reliable measured values. The VEGAFLEX 81 is the economical solution for your level and interface measurement application.

Your benefit

- The guided adjustment enables a simple, time-saving and reliable setup
- Comprehensive diagnostic possibilities ensure a maintenance-free operation and hence a high plant availability
- Shortenable probes offer a simple standardisation and highest flexibility in the planning

Measuring unit for lengths		Metre / Millimetre
Scope	A	Europe
Approval	C	ATEX II 1G, II 1/2G, II 2G Ex ia IIC T6...T1 Ga, Ga/Gb, Gb
Version / Material	P	Coax (ø42.2mm) with multiple hole / 316L
Length (from seal surface)		782 mm
Process fitting / Material	AI	Flange NPS 4" Class 300 RF, ASME B16.5 / 316/316L
Seal / Second line of defense / Process temperature	F	FKM (SHS FPM 70C3 GLT) / without / -40...+150°C
Electronics	A	Two-wire 4 ... 20 mA/HART with SIL qualification
Supplementary electronics	X	without
Overvoltage protection of the supply cable		without
Housing / Protection	A	Aluminium single chamber / IP66/IP68 (0.2bar)
Cable entry / Connection	M	M20x1.5 / Cable gland PA black (ø5-9mm), standard
Display/Adjustment module PLICSCOM	A	mounted
Certificates	M	Yes
Additional cleaning procedures		without
Suitable for tropical regions		without
Foodstuff/Pharmaceutical certificate		without
Test certificate		Measuring accuracy (5 measuring points)
Certificate / Standard		(C) 3.1-Inspection certificate for material (EN 10204, NACE MR 0175 + MR 0103)
Dye penetration test		without
Pressure test		acc. to ASME B31.1/B31.3, incl. 3.1 Inspection certificate
Helium leak test		without
Radiographic test		with, incl. 3.1 Inspection certificate
PMI test		without
Low temperature test at -60 °C		without
Durability test more than 360 h		without
Welding documentation		yes, conform to Nace MR0103/MR0175, incl 2.2 manufacturer declaration

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Customer-specific production	No
Supply certificates	with goods and separately via courier
Operating instructions	EN - English
Number of operating instructions	1
Type label / Measurement loop identification label	of foil / without
Free services from VEGA	VEGAcare (24/7 service hotline*, personalised application advice and the myVEGA customer portal), VEGAsense (intuitive and easy operation, comprehensive diagnostic functions and digital test assistants)
Customer-specific adjustment	No
Linearization	No
Address setting	No
Application-specific settings	without
Min. process pressure in bar	-1
Max. process pressure in bar	40
Customs tariff number (HS code)	90261029
Software version	Current version