

VEGAPULS 6X

Radar Sensor for Continuous Level



OVERVIEW

VEGAPULS 6X is a universal sensor for continuous level measurement of liquids under all process conditions. The new 6X radar combines the best of the previous VEGAPULS 60 series into one solution. Due to its application-oriented configuration and setup, VEGAPULS 6X offers a reliable and economical solution for all level applications.

The small process fittings offer particular advantages for liquids in small tanks or tight mounting spaces. With the addition of accessory components the VEGAPULS 6x is also the perfect solution for CHT and Waste Tank Applications.

FEATURES

- Exact measuring results independent of process conditions
- Maintenance-free operation through non-contact measuring principle
- Application-oriented configuration enables a simple device selection
- Adaptable for use in CHT and Waste Tank Applications

VEGAPULS 6X SPECIFICATIONS

Technical Data	
Pressure Measuring Range	up to 120m (393.7)
Process Temperature	-196... +250 C (-321... +482 F)
Process Pressure	-1 ... 25 bar / -100 ... 2500 kPa
Deviation	< 1 mm
Beam Angle depending on antenna	3 degrees
Process Fitting	Mounting straps, compression flanges from DN 80, 3", thread from G $\frac{3}{4}$, $\frac{3}{4}$ NPT, encapsulated antenna system, flanges from DN 50, 2", flange with swivelling holder from DN 100, 4"
Ambient, storage, and transport temperature	-40 ... +80 °C (-40 ... +176 °F)
Materials	
Wetted Parts	316L, PP, PEEK, PTFE
Process Seal	FKM, FFKM, PTFE, or EPDM
Housing Material	Plastic , aluminum , stainless steel
Enclosure Rating	IP 68 (25 bar)
Electrical	
Operating Voltage	12 ... 35 VDC
Output	Profibus PA Foundation Fieldbus 4 ... 20 mA 4 ... 20 mA/HART - two-wire Modbus
Approvals	
Protection Rating	IP66/IP67 IP66/IP68 (0.2 bar)/IP69 IP66/68 (1 bar) – acc. to IEC 60529 Type 4X, Type 6P – acc. to NEMA
Scope	ATEX / Europe FM / USA IEC / worldwide CSA / USA and Canada
Explosion Protection	Intrinsic safety "i" Flameproof enclosure "d" Dust explosion protection through housing "t"
Overfill Protection	WHG VLAREM II