

Data sheet

PH SENSOR TRANSMITTER - WW ATEX

IDEAL USAGE

Projects requires a digital pH sensor for water and waste water projects

APPLICATIONS

A 2-wire loop-powered sensor featuring integrated transmitter technology designed for digital pH measurement for projects in which an adjustment of pH is required

BENEFITS

- Digital pH sensor for the water and wastewater industries
- 2-wire loop powered sensor with integrated transmitter technology

SPECIFICATIONS

Type:	PH 8320
Ingress Protection:	IP68
Measuring Range:	pH 0-14
Diaphragm:	PTFE
Reference:	Ag/AgCl/Tepox gel double junction
Temperature Sensor:	Pt1000
Sensor Shaft:	Glass
Mambrane Glass:	AH Glass
Gasket	EPDM
Process Connection	PG 13.5
Temperature Range	0...+70°C / +32...+158°F
Max. Pressure	10 bar / 145 psi
Conductivity:	Min. 150 µS/cm
Insertion Length:	120 mm / 4.72"
Communication:	4-20 mA/HART (SMARTMAC)
Sensor head:	Nickel plated brass body and PG 13.5 with VP 2.0 connector and EPDM (FDA) gasket 10.78x2,62mm / 0.42x0.1"
Ex-marking:	Ex ia IIC T6 Ga
ATEX-category:	IIIG
Ambient Temperature:	- 10 ... +85 °C / +14 ... 185 °F
Reference:	PTB 13 ATEX 2011 X



- ① Cable connector VarioPin 2.0 (VP2)
- ② Nickel plated brass body
- ③ Glass shaft
- ④ Diaphragm
- ⑤ Membrane glass

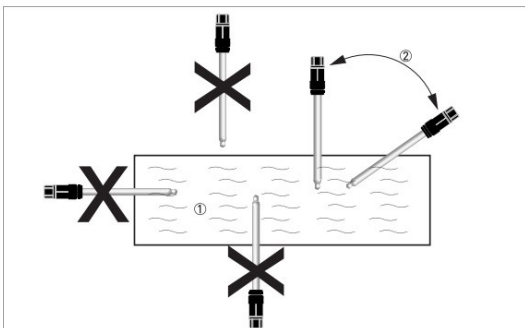


Figure 3-2: Installation requirements
 ① Measuring medium
 ② Maximum deviation of 75° from vertical position

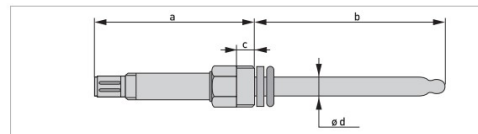


Figure 2-1: SMARTPAT PH 8150 with VP2

	Dimensions [mm]	Dimensions [inch]
a	104	4.09
b	120 / 225	4.72 / 8.86
c	12	0.47
d	Ø 12	Ø 0.47