

Differential Pressure Sensor Water

Active sensor (0...20 mA) for measuring the differential pressure in liquid or dry media. Various pressure ranges, rugged NEMA 4 / IP65 and compact stainless steel housing. Optional stainless steel or brass pipe connection adaptors also available.


Type Overview

Type	Output Signal	Measuring range pressure
22WDP-131	4...20 mA	0...1 bar
22WDP-132	4...20 mA	0...2.5 bar
22WDP-134	4...20 mA	0...4 bar
22WDP-135	4...20 mA	0...6 bar

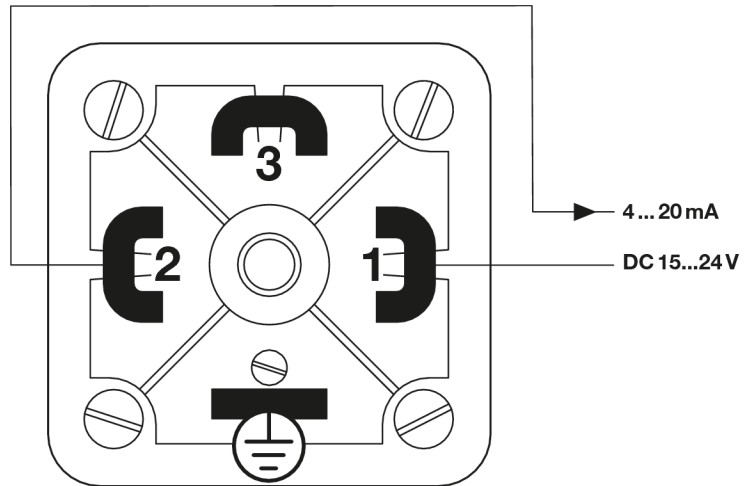
Technical Data

Electrical data	Power Supply DC	15...24 V, $\pm 10\%$, 0.5 W
	Electrical connection	Plug for wire 0.5...1.5 mm ²
	Cable entry	Angle plug according to DIN 43650, construction A
Functional data	Output signal active pressure	4...20 mA
	Output signal active note	Current outout: max. 900 Ω load
	Mechanical connection	pressure connector: G1/4"
	Mounting	installation position unrestricted
	Media	Water
Measuring data	Measured values	Differential pressure
	Measuring media	Air and non-aggressive gases
	Accuracy pressure	$< \pm 1\%$ of measuring range (@ -5...75 °C)
	Overload range	6 bar, Single-sided
	Maximum system pressure	21 bar
Materials	Housing seal	EPDM
	Housing	Bottom Part: Stainless steel 1.4305 Top Cover: Aluminum pressure die casting
Safety data	Medium wetted parts	Stainless steel 1.4301, Ceramic
	Ambient Temperature	-10...50 °C [15...122 °F]
	Medium temperature	-10...80 °C [15...175 °F]
	Protection class IEC/EN	III Protective extra-low voltage (PELV)
	Protection class UL	UL Class 2 Supply
	EU Conformity	CE Marking
	Degree of protection IEC/EN	IP65
	Degree of protection NEMA/UL	NEMA 4
	Quality Standard	ISO 9001
	Weight	0.51 kg

Accessories

Optional accessories	Description	Type
	Pipe connector brass, 2 pcs., Pipe 6 mm to G 1/4" (external thread)	A-22WP-A04
	Pipe connector stainless steel, 2 pcs., Pipe 6 mm to G 1/4" (external thread)	A-22WP-A06
	Pipe connector brass, 2 pcs., Pipe 8 mm to G 1/4" (external thread)	A-22WP-A08
	Pipe connector stainless steel, 2 pcs., Pipe 8 mm to G 1/4" (external thread)	A-22WP-A10

Wiring diagram



Dimensions

