

**Differential Pressure Sensor Water**

Active sensor (0...10 V) 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-111	DC 0...10 V	0...1 bar
22WDP-112	DC 0...10 V	0...2.5 bar
22WDP-114	DC 0...10 V	0...4 bar
22WDP-115	DC 0...10 V	0...6 bar

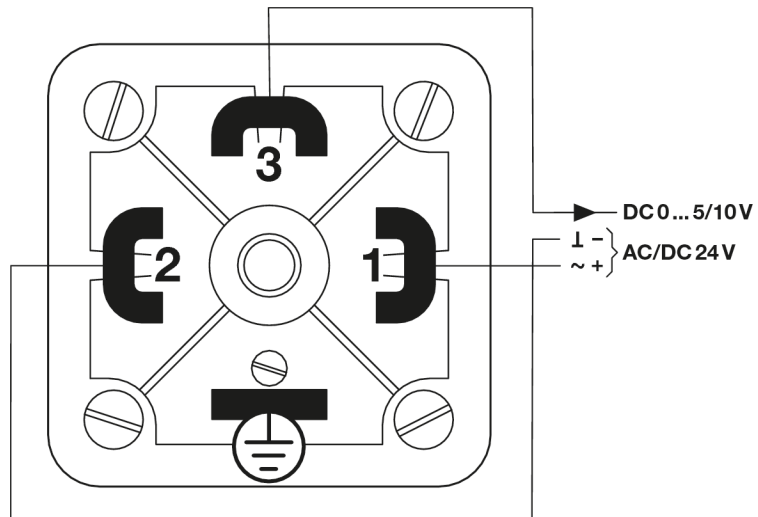
**Technical Data**

<b>Electrical data</b>	Power Supply DC	15...24 V, $\pm 10\%$ , 0.37 W
	Power Supply AC	24 V, $\pm 10\%$ , 0.9 VA
	Electrical connection	Plug for wire 0.5...1.5 mm <sup>2</sup>
	Cable entry	Angle plug according to DIN 43650, construction A
<b>Functional data</b>	Output signal active pressure	DC 0...10 V
	Output signal active note	Voltage output: min. 2 k $\Omega$ load
	Mechanical connection	pressure connector: G1/4"
	Mounting	installation position unrestricted
<b>Measuring data</b>	Media	Water
	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
<b>Materials</b>	Housing seal	EPDM
	Housing	Bottom Part: Stainless steel 1.4305 Top Cover: Aluminum pressure die casting
<b>Safety data</b>	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

