

Pressure sensor liquids

Active sensor (0...10 V) for measuring the pressure in liquid mediums for air conditioning, heating and water applications. Suitable for plants with refrigerant. NEMA 4 / IP65 rated enclosure.


Type Overview

Type	Output Signal	Measuring range pressure
22WP-114	DC 0...10 V	0...4 bar
22WP-115	DC 0...10 V	0...6 bar
22WP-116	DC 0...10 V	0...10 bar
22WP-117	DC 0...10 V	0...16 bar

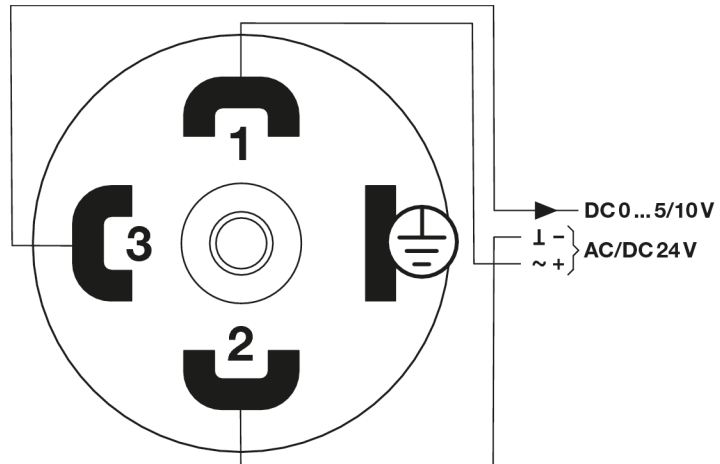
Technical Data

Electrical data	Power Supply DC	15...24 V, $\pm 10\%$, 0.15 W
	Power Supply AC	24 V, $\pm 10\%$, 0.3 VA
	Electrical connection	Plug for wire 0.5...1.5 mm ²
	Cable entry	MVS plug according to DIN EN175301-803 / Type A
Functional data	Sensor Technology	Strain gauge on precious metal
	Output signal active pressure	DC 0...10 V
	Output signal active note	Voltage output: min. 5 k Ω load
	Mechanical connection	pressure connector: G1/4"
Media	Media	Water
	Measured values	Pressure
Measuring data	Accuracy pressure	$\pm 0.5\%$ FS @ 25 °C
	Total errors	at maximum temperatures -40 °C: $\leq 2\%$ FS 105 °C: $\leq 2\%$ FS
	Overload range	8 bar,
	Burst pressure	12 bar
Materials	Housing seal	FKM fluororubber, Silicone-free
	Housing	Stainless steel 1.4301
Safety data	Ambient Temperature	-40...105 °C [-40...220 °F]
	Medium temperature	-40...125 °C [-40...255 °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	0.9 kg

Accessories

Optional accessories	Description	Type
	Adapter G 1/4" (internal thread) to G 1/2" (external thread)	A-22WP-A02

Wiring diagram



Dimensions

