

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	Measuring Range Pressure	Output Signal Active Pressure	Overpressure Limit	Burst Pressure
22WP-114	0...4 bar	DC 0...10 V	8 bar	12 bar
22WP-115	0...6 bar	DC 0...10 V	12 bar	18 bar
22WP-116	0...10 bar	DC 0...10 V	20 bar	30 bar
22WP-117	0...16 bar	DC 0...10 V	32 bar	48 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
	Cable entry	MVS plug according to DIN EN175301-803 / Type A
Functional data	Sensor Technology	Strain gauge on precious metal
	Output signal active note	Voltage output: min. 5 k Ω load
	Mechanical connection	pressure connector: G1/4"
	Media	Water
Measuring data	Measured values	Relative pressure
	Accuracy pressure	$\pm 0.5\%$ FS @ 25 °C
	Total errors for final temperatures	at maximum temperatures -40 °C: $\leq 2\%$ FS 105 °C: $\leq 2\%$ FS
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	0.12 lbs

Safety notes


The installation and assembly of electrical equipment should only be performed by authorized personnel.

This device has been designed for use in stationary heating, ventilation and air conditioning systems and must not be used outside the specified field of application. Unauthorised modifications are prohibited. The product must not be used in relation with any equipment that in case of a failure may threaten human, animals or assets.

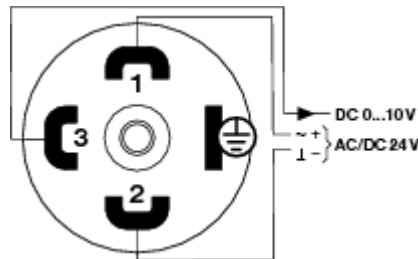
Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

Please comply with

- Local laws, health & safety regulations, technical standards and regulations
- Condition of the device at the time of installation, to ensure safe installation
- This data sheet and installation manual

Accessories

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

Wiring diagram

Dimensions
