

Active sensor (4...20 mA) for pressure measurement in HVAC systems. The sensor is suitable for water and water/glycol mixtures. The housing is made of stainless steel and is IP65 / NEMA 4 rated.



Type Overview

Type	Measuring range pressure [bar]	Output signal active pressure	Overpressure range	Burst pressure
22WP-134	0...4	4...20 mA	8 bar	12 bar
22WP-135	0...6	4...20 mA	12 bar	18 bar
22WP-136	0...10	4...20 mA	20 bar	30 bar
22WP-137	0...16	4...20 mA	32 bar	48 bar

Technical Data

<b>Electrical data</b>	Nominal voltage	DC 24 V
	Nominal voltage range	DC 13.5...26.4 V
	Power consumption DC	0.5 W
	Electrical connection	Connector plug for wire 0.5...1.5 mm <sup>2</sup>
	Cable entry	MVS plug according to DIN EN175301-803 / Type A
<b>Functional data</b>	Sensor Technology	Strain gauge on precious metal
	Output signal active note	Current output: max. 500 Ω load
	Mechanical connection	pressure connector: G 1/4"
	Application	Water Water glycol mixture
	Response time	max. 2 ms
<b>Measuring data</b>	Measuring values	Relative pressure
	Accuracy pressure	±0.5% FS @ 25°C
	Long-term stability	±0.1% p.a.
	Total errors for final temperatures	at maximum temperatures -40°C: ≤ 2% FS 105°C: ≤ 2% FS
<b>Materials</b>	Housing seal	FKM fluororubber, Silicone-free
	Housing	Stainless steel 1.4301
<b>Safety data</b>	Ambient humidity	Max. 95% r.H., non-condensing
	Ambient temperature	-40...105°C [-40...220°F]
	Fluid temperature	-40...125°C [-40...255°F]
	Protection class IEC/EN	III Protective extra-low voltage (PELV)
	EU Conformity	CE Marking
	Certification IEC/EN	IEC/EN 60730-1
	Degree of protection IEC/EN	IP65
	Degree of protection NEMA/UL	NEMA 4
Quality Standard	ISO 9001	

Safety notes



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 humans, animals or assets.

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

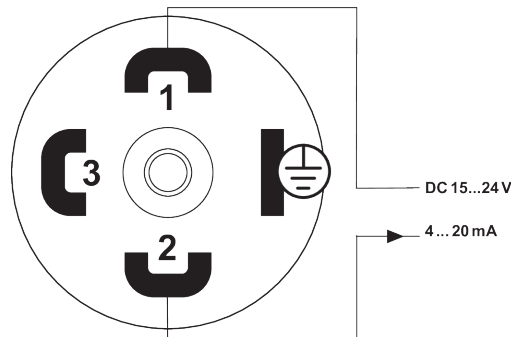
Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.

The device contains electrical and electronic components and must not be disposed of as household refuse. All locally valid regulations and requirements must be observed.

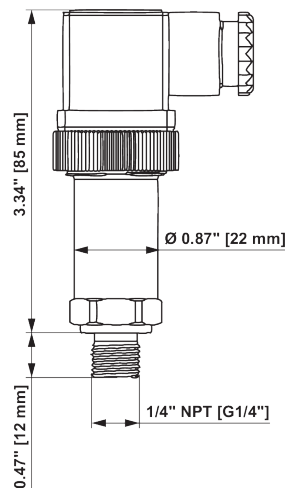
Accessories

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

Wiring diagram



Dimensions



Type	Weight
22WP-134	0.12 kg
22WP-135	0.12 kg
22WP-136	0.12 kg
22WP-137	0.12 kg