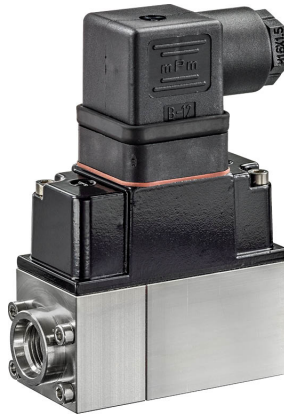


Differential Pressure Sensor (Water)

Active sensor (0 to 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 adapters also available.


Type Overview

Type	Measuring Range Pressure	Output Signal Active Pressure	Overpressure Limit	Overpressure Limit Note	Maximum System Pressure
22WDP-511	0...15 psi	DC 0...10 V	85 psi	Single-sided	300 psi
22WDP-512	0...30 psi	DC 0...10 V	85 psi	Single-sided	300 psi
22WDP-514	0...50 psi	DC 0...10 V	230 psi	Single-sided	300 psi
22WDP-515	0...100 psi	DC 0...10 V	230 psi	Single-sided	300 psi

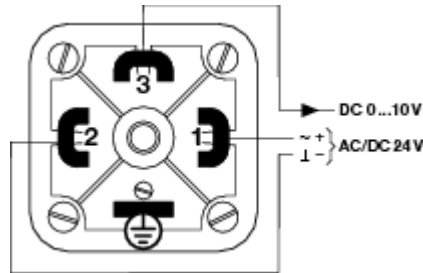
Technical Data

Electrical Data	Power Supply DC	15...24 V, ±10%, 0.37 W
	Power Supply AC	24 V, ±10%, 0.9 VA
	Electrical Connection	plug for wire 15 GA [0.5 to 1.5 mm ²]
	Cable Entry	angle plug according to DIN 43650, construction A
Functional Data	Output Signal Active Note	voltage output: min. 2 kΩ load
	Mechanical Connection	pressure connector: 1/4" NPT
	Mounting	installation position unrestricted
	Media	water
Measuring Data	Measured Values	differential pressure
	Measuring media	air and non-aggressive gases
	Accuracy Pressure	<±1% of measuring range @ 23°F to 167 °F [-5°C to 75°C]
	Materials	Body Seal
Housing		base: stainless steel 1.4305 cover: aluminum pressure die casting
Material Contacting the Medium		stainless steel 1.4301, ceramic
Safety Data	Ambient Temperature	15°F to 120°F [-10°C to 50°C]
	Medium Temperature	15°F to 175°F [-10°C to 80°C]
	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	0.55 lbs

Accessories

Optional Accessories	Description	Type
	pipe connector brass, 2 pcs., Pipe 0.24" [6 mm] to 1/4" NPT (external thread)	A-22WP-A03
	pipe connector stainless steel, 2 pcs., Pipe 0.24" [6 mm] to 1/4" NPT (external thread)	A-22WP-A05
	pipe connector brass, 2 pcs., Pipe 0.3" [8 mm] to 1/4" NPT (external thread)	A-22WP-A07
	pipe connector stainless steel, 2 pcs., Pipe 0.3" [8 mm] to 1/4" NPT (external thread)	A-22WP-A09

Wiring Diagram



Dimensions

