

ClimaCheck Pressure Transducers With Schrader opener and Teflon seal

These piezoresistive pressure transmitter-heads are produced on an automatic brazing line, making possible the mass production of high-quality pressure transmitters at acceptable cost.

This new technology allows the crevice-free construction of the pressure port without using internal seals or O-rings. All parts are of stainless steel. The header with the silicon pressure sensor and the glass feed-through pins are welded to the steel insert underneath the oil filling.



Pressure transducers

Part numbers

The standard ClimaCheck pressure transducers have a 1-5 VDC output, however transducers with 4-20 mA output are also available.

Pressure range, Bar(g)	-0.7...5	0...10	0...35	0...50	0...150
Part number, 1-5 VDC output	200 140	200 141	200 142	200 143	200 144
Part number, 4-20 mA output	200 701	200 201	200 105	200 301	-

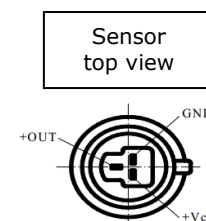
Technical parameters

Reference pressure form	Absolute
Supply Voltage	8 to 28 VDC
Output	1 to 5 VDC or 4 to 20 mA
Accuracy	<1% FS
Operating temperature	-20 to 100 °C
Sensor compensation temperature	-10 to 70 °C
Connection	¼" flare = 7/16"-20 UNF with Schrader depressor
Connector	Packard Plug
Weight	70 gram
Height	60 mm (without mounted contact/cable)

Electrical connection

The ClimaCheck pressure cables have 4 leads and are connected as below.

Cable lead	Connection
Black	Ground (not required on 4-20mA transducers)
White	Signal
Red	Supply voltage
Yellow	Shield (not required)



Accessories

Below are the part numbers for the pressure transducer accessories.

Part number	Description
200 150	Pressure cable, 3 meters, free leads (for permanent installation)
200 151	Pressure cable, 8 meters, free leads (for permanent installation)
200 152	Pressure cable, 3 meters, DIN 5D plug (for portable system)
200 153	Pressure cable, 8 meters, DIN 5D plug (for portable system)
200 154	Pressure cable extension, 3 meters, DIN 5D plug
200 155	Pressure cable extension, 8 meters, DIN 5D plug
200 900	Replacement Teflon seals, 10 pieces
200 910	Angled adapter 1/4" Female - 1/4" Male
200 910	Angled adapter 5/16" Female - 1/4" Male