



TRANSDUCERS
AND SENSORS
PRESSURE
TRANSDUCER

P598

ELECTRONIC PRESSURE TRANSDUCER

The P598 series electronic pressure transducers are compact, economical, rugged, direct-mount pressure transducers designed for use in commercial and industrial refrigeration and air conditioning applications.

These transducers provide a proportional analog signal based on the sensed pressure.

The P598 series transducers feature environmentally protected electronics with stainless steel construction. The digitally compensated P598 transducers with microelectromechanical system (MEMS) pressure sensor technology are highly accurate over a broad temperature range, resisting the effects of wide ambient temperature swings, high humidity, condensation, and icing.

The pressure port is milled from SUS303 stainless steel, except for models with a copper tube port. The P598 series transducers operate with any corrosive or non-corrosive refrigerants that are compatible with SUS303 stainless steel. The P598 transducers are also used with water, condensate, glycol, ammonia, and many other compatible fluids and gases.

The P598 series offers a variety of pressure ranges, covering most common refrigeration and air conditioning applications.

FEATURES

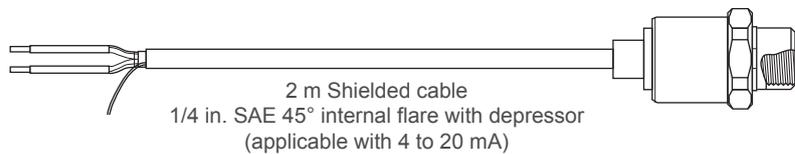
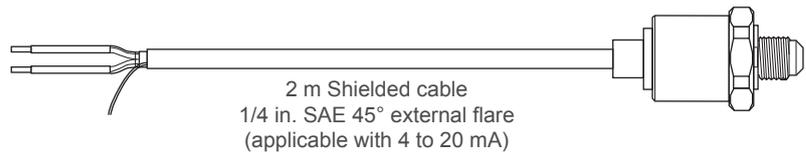
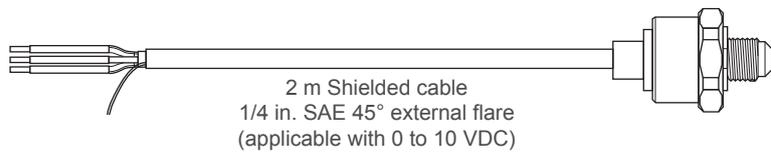
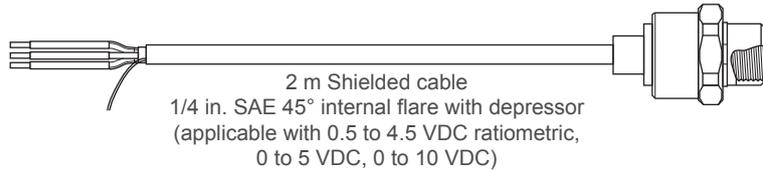
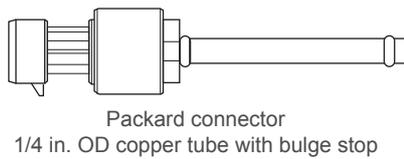
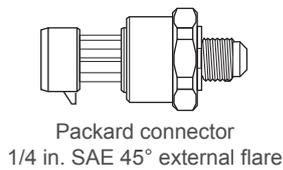
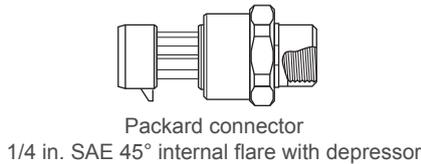
- **Innovative cavity-side MEMS pressure sensing** – Highly accurate over a wide temperature range.
- **Unique sensor circuitry** – Protects transducer from overvoltage and short-circuiting.
- **Rugged design** – Established through life cycle testing of 10 million + cycles for proven reliability.
- **Approved for Today's Refrigerants** – The P598 is approved for use with ammonia and all hydrochlorofluorocarbons (HCFC), hydro-fluorocarbons (HFC) and HFC refrigerants up to a pressure of 57.71 bar (750 psi).





ORDERING INFORMATION

STANDARD MODELS



0.5 TO 4.5 VDC RATIOMETRIC FOR BAR APPLICATIONS

CODES	PRESSURE RANGE		PRESSURE PORT	ELECTRICAL CONNECTOR
	Minimum pressure (Pmin)	Maximum pressure (Pmax)		
P598RCPSN401C	-1 bar	8 bar	1/4 in. SAE 45° internal flare with depressor	Packard
P598RCPSN402C	-1 bar	15 bar		
P598RCPSN404C	0 bar	30 bar		Shielded cable
P598RCSSN409C	0 bar	35 bar		
P598RCSSN411C	0 bar	52 bar		



P598 - PRESSURE TRANSDUCER

ORDERING INFORMATION

STANDARD MODELS

0 TO 10 VDC FOR BAR APPLICATIONS

CODES	PRESSURE RANGE		PRESSURE PORT	ELECTRICAL CONNECTOR	
	Minimum pressure (Pmin)	Maximum pressure (Pmax)			
P598VBPSN401C	-1 bar	8 bar	1/4 in. SAE 45° flare external thread	Packard	
P598VBSSN401C		15 bar		Shielded cable	
P598VBSSN402C				Packard	
P598VBPSN404C	0 bar	30 bar		1/4 in. SAE 45° internal flare with depressor	Shielded cable
P598VBSSN404C		30 bar			Shielded cable
P598VCSSN401C	-1 bar	8 bar			Shielded cable
P598VCSSN404C		0 bar	30 bar		Shielded cable
P598VCSSN405C			50 bar		Shielded cable
P598VTPSN401C	-1 bar	8 bar	1/4 in. OD copper tube w/ bulge stop		Packard
P598VTPSN404C	0 bar	30 bar			Packard

4 TO 20 MA FOR BAR APPLICATIONS

CODES	PRESSURE RANGE		PRESSURE PORT	ELECTRICAL CONNECTOR	
	Minimum pressure (Pmin)	Maximum pressure (Pmax)			
P598ABSSN401C	-1 bar	8 bar	1/4 in. SAE 45° flare external thread	Shielded cable	
P598ABPSN404C	0 bar	30 bar		Packard	
P598ABSSN404C				Shielded cable	
P598ACPSN401C	-1 bar	8 bar	1/4 in. SAE 45° internal flare with depressor	Packard	
P598ACSSN401C		15 bar		Shielded cable	
P598ACPSN402C				0 bar	Packard
P598ACPSN403C		30 bar			Shielded cable
P598ACPSN404C	0 bar	30 bar		1/4 in. OD copper tube with bulge stop	Packard
P598ACSSN404C					Packard
P598ATPSN401C	-1 bar	8 bar			Packard
P598ATPSN404C	0 bar	30 bar			Packard

WIRE HARNESSES FOR USE WITH THE PACKARD CONNECTORS

CODES	LENGTH (m)
WHA-PKD3-200C	2.0
WHA-PKD3-400C	4.0
WHA-PKD3-600C	6.0