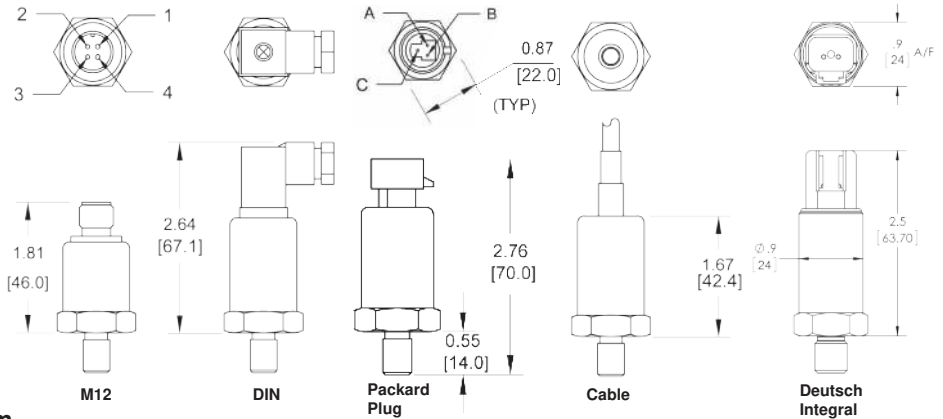


Sensors Inc.

WTC Pressure Thin Film Transducer



Sensing Element: Thin Film



Wiring Data Information												
DIN Connector PIN Function					Cable Connector WIRE Function					Deutsch Pin Wiring		
Signal Output	Pin 1	Pin 2	Pin 3	Pin 4	Signal Output	RED	BLUE	YELLOW	BLACK	Signal Output	Pin 1	Pin 2
mA	Supply V+	Output	N/A	N/A	mA	Supply V+	Output	N/A	N/A	mA	Supply V+	Output
V	Supply V+	Output	Common	N/A	V	Supply V+	Output	N/A	Common	V	N/A	N/A
M12 PIN Function					Packard Plug PIN/WIRE Function							
Signal Output	Pin 1	Pin 2	Pin 3	Pin 4	Signal Output	A/BLACK	B/RED	C/GREEN				
mA	Supply V+	Output	N/A	N/A	mA	Supply V+	N/A	Output				
V	Supply V+	Output	Common	N/A	V	Supply V+	Common	Output				

The WTC series is a pressure transducer based on thin film technology. The sensors feature wide measurement range, accuracy, over pressure resistance and high temperature application. Whole welded construction without o-ring makes the transducer more resistive to over pressure and works well on hydraulic systems and other automatic systems where over pressure, high temperature and stable performance are demanded.

ELECTRICAL:

Output: 4 - 20mA (2 wire)
 0 - 5V, 0 - 10V, 0.5 - 4.5V,
 1 - 5V (3 wire)
 Supply: 12 - 30 VDC (4 Wire)

OPERATE TEMPERATURE:

-40° to 248°F (-40° to 120°C)

ACCURACY:

± 0.5% (Full Scan)

INSULATION:

>100m Ω@50V

PROTECTION:

IP68 (Cable or M12X1)
 IP67 with DIN

STORAGE TEMPERATURE:

-58° to 257°F (-50° to 125°C)

RESPONSE TIME:

<10 milliseconds

MATERIAL:

Wetted Area: Thin Film
 Body: 304 Welded Stainless Steel

PRESSURE RANGE:

Minimum: 0 - 435 PSI (0 - 30 Bar)
 Maximum: 0 - 11,600 PSI (0 - 800 Bar)

COMPENSATION TEMPERATURE:

-4° to 248°F (-20° to 120°C)

OVERLOAD PRESSURE:

4 times of range

PROTECTION STANDARDS:

IEC61000-4-2 Electrostatic Discharge
 IEC61000-4-3 Radiated Immunity
 IEC61000-4-5 Surge Immunity

ORDERING INFORMATION

WTC	- A	- 0/3000	- 4M	- HCM
Model	Type	Pressure Range	Connection	Terminals
WTC	A: 4 - 20mA (2 wire) B: 0 - 5V (3 wire) C: 0 - 10V (3 wire) D: 0.5 - 4.5V (3 wire) E: 1 - 5V (3 wire)	Specify Pressure Range Required <i>Note: Standard Ranges</i> 0/435 PSI, 0/600 PSI, 0/1500 PSI, 0/3000 PSI, 0/5000 PSI, 0/6000 PSI, 0/8700 PSI, 0/11,000 PSI Consult Factory for Other Ranges	4M - 1/4 NPT 4S - 7/16 X 20 SAE MALE 4G - 1/4 BSPP* *Non Standard	PP - Packard Plug M - M12X1 C - Cable (Specify Cable Length, Minimum 3 ft.) DI - Deutsch Integral (Available in 4-20mA 2 wire ONLY) HCM - DIN 43650C Mini DIN HCM.A - DIN Light NO/NC 110V HCM.B - DIN Light NO/NC 12VDC HCM.C - DIN Light NO/NC 24VDC HCM.D - Indicating Light Green/Red