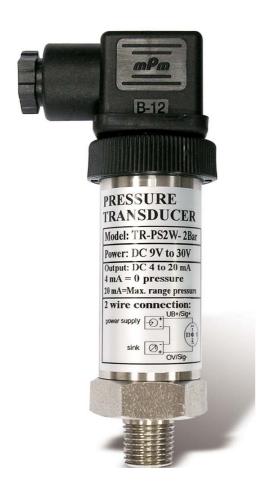
# 2 WIRES

## PRESSURE TRANSMITTER

Model: TR-PS2W-xxBAR ISO-9001, CE, IEC1010





### **FEATURES**

Model: TR-PS2W-xxBAR

\* Range: 2, 5, 10, 20, 50, 100, 400 BAR.

\* Output: 4 to 20 mA DC.

4 mA = 0 pressure

20 mA = full scale pressure

- \* 2 wires, both for signal and power supply.
- \* Precision ceramic type pressure sensor.
- \* External zero and span adjustment.
- \* Allow high cable load resistance, transmitter install far away from the controller/incator.
- \* Protection for the reverse wires connecting.
- \* TR-PS2W can cooperate the " 4-20 mA Controller/Alarm/Indicator " CT-2012 then become a pressure controller and the indicating system. The user can control and monitor the pressure value from far away.





The Art of Measurement

### **2 WIRES PRESSURE TRANSMITTER**

Model: TR-PS2W-xxBAR

SPECIFICATIONS			
Measuring range/ Model	Measuring Range	Model	
weasuring range/ woder	2 BAR ( 29 PSI )	TR-PS2W-2BAR	
	5 BAR ( 72.5 PSI )	TR-PS2W-5BAR	
	10 BAR ( 145 PSI )	TR-PS2W-10BAR	
	20 BAR ( 290 PSI )	TR-PS2W-20BAR	
	50 BAR ( 725 PSI )	TR-PS2W-50BAR	
	100 BAR ( 1450 PSI )		
	400 BAR ( 5800 PSI )		
Output	4 - 20 mA		
,	4  mA = 0  BAR		
	20 mA = Full scale pressure		
Supply voltage DC 9V to 30 V			
,,,,	* Protectred against reverse polarity		
Wire numbers	2 wires, bioth for signal and power supply.		
Port connector	1/4" NPT or		
	PS 1/4", 19 teeth per inch.		
	* Inclided one adapter connector that convert the 1/4" NPT to 1/4 " PS.		
Span and Zero	Span and Zero can be adjustment by multi turns VR.		
adjustment			
Span ± 1 % F.S.			
	* Within 10 ℃ to 40 ℃	* Within 10 ${\mathcal C}$ to 40 ${\mathcal C}$ .	
zero ± 2 % F.S.			
	* Within 10 $^{\circ}$ to 40 $^{\circ}$ .		
Load impedance	Load up to 500 ohms.		
requirement			
Operating Temperature	-20 °C to 80 °C ( -4 °F to 176 °F ).		
Operating Humidity	Less than 80% RH.		
Size	30 mm dia. x 85 mm ( 1.2 inch dia. x 3.3 inch ).		
Weight	160 g.		
Output connector	Socket		
Wire	2 wires:		
Connection	Connection 1 : Power + and signal		
Connection 2 : Power -			

#### **APPLICATIONS**

- \* Measure Pneumatic Pressures.
- \* Measure Automobile Engine Vacuum Pressures.
- \* Pressure for Super Heat Measurements
- \* Hydraulic Servo controls
- \* Refrigeration
- \* Air conditioning
- \* Food Processing

<sup>\*</sup> Appearance and specifications listed in this brochure are subject to change without notice.