

# 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-2002-MA, then become a pressure controller and the indicating system. The user can control and monitor the pressure value from far away.



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SPECIFICATIONS		
<i>Measuring range/ Model</i>	<i>Measuring Range</i>	<i>Model</i>
	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 )	TR-PS2W-100BAR
	400 BAR ( 5800 PSI )	TR-PS2W-400BAR
<i>Output</i>	4 - 20 mA 4 mA = 0 BAR 20 mA = Full scale pressure	
<i>Supply voltage</i>	DC 9V to 30 V * <i>Protectred against reverse polarity</i>	
<i>Wire numbers</i>	2 wires, biot for signal and power supply.	
<i>Port connector</i>	1/4" NPT or PS 1/4", 19 teeth per inch. * <i>Included one adapter connector that convert the 1/4" NPT to 1/4 " PS.</i>	
<i>Span and Zero adjustment</i>	Span and Zero can be adjustment by multi turns VR.	
<i>Span</i>	± 1 % F.S. * <i>Within 10 °C to 40 °C.</i>	
<i>Zero</i>	± 2 % F.S. * <i>Within 10 °C to 40 °C.</i>	
<i>Load impedance requirement</i>	Load up to 500 ohms.	
<i>Operating Temperature</i>	-20 °C to 80 °C ( -4 °F to 176 °F ).	
<i>Operating Humidity</i>	Less than 80% RH.	
<i>Size</i>	30 mm dia. x 85 mm ( 1.2 inch dia. x 3.3 inch ).	
<i>Weight</i>	160 g.	
<i>Output connector</i>	Socket	
<i>Wire Connection</i>	2 wires : 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*