

2 WIRES

# PRESSURE TRANSMITTER

Model : TR-PS2W-xxBAR

ISO-9001, CE, IEC1010

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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/incicator.

\* 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.



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*The Art of Measurement*

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## ELECTRICAL SPECIFICATIONS (23± 5 °C)

Measuring range/ Model	Measuring Range	Model
	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
Output	4 - 20 mA 4 mA = 0 BAR 20 mA = Full scale pressure	
Supply voltage	DC 9V to 30 V * Protected against reverse polarity	
Wire numbers	2 wires, both for signal and power supply.	
Port connector	1/4" NPT or PS 1/4", 19 teeth per inch. * Included one adapter connector that convert the 1/4" NPT to 1/4 " PS.	
Span and Zero adjustment	Span and Zero can be adjustment by multi turns VR.	
Span	± 1 % F.S. * Within 10 °C to 40 °C.	
Zero	± 2 % F.S. * Within 10 °C to 40 °C.	
Load impedance requirement	Load up to 500 ohms.	
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 Connection	2 wires : Connection 1 : Power + and signal Connection 2 : Power -	

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

TR-PS2W+0510

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