



805PT Electronic Pressure Transmitter

Form 1360

The 805PT Electronic Pressure Transmitter

is a compact loop-powered transmitter. A 1-5VDC low power option is also available. Its rugged construction makes cost of ownership low and it carries a three-year warranty. The SOR® 805PT Electronic Transmitter is suitable for hazardous locations and hostile environments where space is limited. It meets applications where low-cost, continuous monitoring is preferred. Zero and span are field adjusted via SOR calibration kit with USB communication cable.

Features

- Compact, 316 Stainless Steel, hermetically sealed enclosure
- 17-4 Stainless Steel sensor, no O-ring
- 0.25% accuracy
- 4-20 mA or 1-5 VDC output
- EMI/RFI protection
- NEMA 4X, IP 66 housing
- FM and ATEX approved for hazardous locations in U.S., Canada and Europe



Product Specifications

Accuracy	±0.25% URL (BFSL) (Linearity, Hysteresis and Repeatability)	Circuit Protection	Reverse polarity and EMI/RFI protected
Turndown	5:1 3:1 for 100 psi range	Construction	316SS housing (CF8M)
Zero Offset	+10% URL	Process Connection	1/2" NPT(M) with 1/4" NPT(F) 17-4SS
Temperature Range		Electrical Connection	
Compensated	-40 to 176°F (-40 to 80°C)	Size	1/2" NPT(M)
Ambient	-40 to 176°F (-40 to 80°C)	Termination	18 AWG shielded cable, 72-inch length
Process	-40 to 194°F (-40 to 90°C)	Wetted Materials	17-4SS
Storage	-40 to 194°F (-40 to 90°C)	Over Pressure	
Temperature Effect	±1% URL/100°F @ -40 to 176°F	0-100 psi	3 times FSPR
Long Term Stability	≤ ±0.5% URL per year	Up to 10000 psi	2 times FSPR
Response Time	≤ 5 ms	Burst Pressure	
Supply Voltage	8-30VDC	0-100 thru 0-250 psi	40 times FSPR
Output	4 to 20 mA (1-5 VDC option - 27mW ± 5mW @ 9VDC)	0-500 thru 0-1000 psi	20 times FSPR
Loop Resistance	800 ohms @ 24VDC	0-2500 psi	10 times FSPR
		0-5000 psi	8 times FSPR
		0-10000 psi	4 times FSPR
		Weight	1.8 lb (0.8 kg)
		Warranty	3 years

Design and specifications are subject to change without notice. For latest revision, see www.sorinc.com.

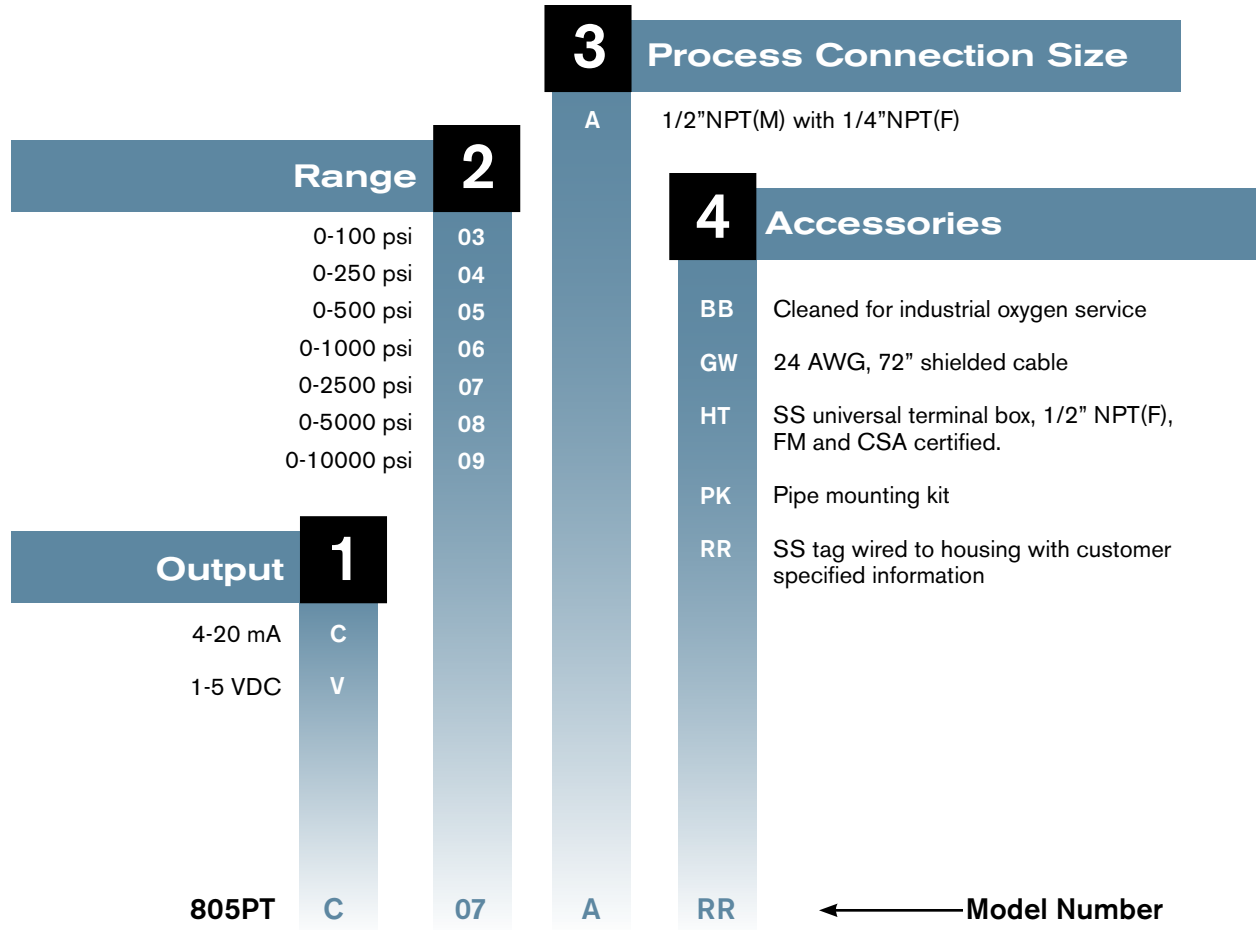
805PT Electronic Pressure Transmitter

How to Order

Model Number System

805PT - C07 - A - RR

805PT pressure transmitter with 4-20mA output, 0-2500 psi, 17-4SS port, 1/2" NPT(M) with 1/4" NPT(F) and optional SS tag wired to housing with customer specified information.



- Calibration Kit (includes hardware and software) for adjusting range: Part Number 9231026

Test Certificates

805 PT	Certificates*	C1	C2	C3	C4	C8
	Calibration	◆				
Hydrostatic Pressure Test		◆				
Inspection Report			◆			
Compliance / Conformance				◆		
Typical Material of Wetted Parts						◆

*Add certificate code to the end of model number.

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Agency Approvals

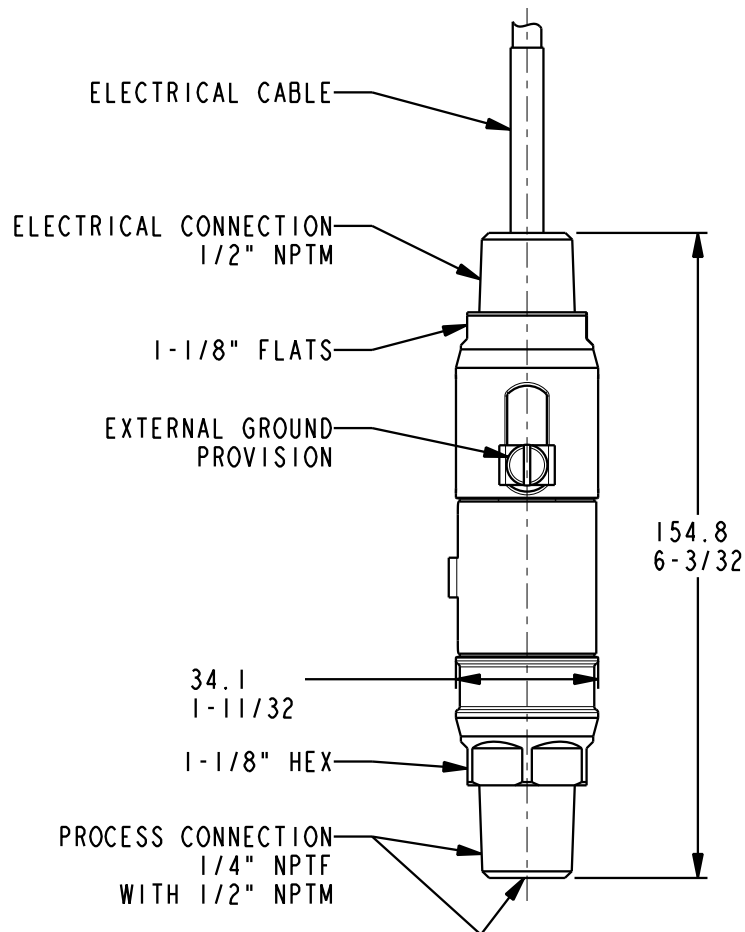
Approved*	Safety Method	Approval
FM (U.S. and Canada)	Explosion Proof Hazardous Locations	Class I, II, III; Division 1 Groups A-G; T5; Type 4X
	Non-incendive	Division 2 pending
ATEX	Flameproof	II 2 G Ex d IIC T5 IP 66

*Product holds a Canadian Registration Number (CRN) in all provinces.

Dimensions

Dimensions shown are for reference only. Contact the factory for certified dimension drawings.
Linear = mm/in.

Drawing 0091438



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SOR Inc.

14685 West 105th Street
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Phone 913-888-2630
Toll Free 800-676-6794
Fax 913-888-0767

www.sorinc.com

SOR Europe, Ltd.

Farren Court
Cowfold
West Sussex RH13 8BP
United Kingdom

Phone +44 (0) 1403 864000
Fax +44 (0) 1403 864040

**Pressure
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SOR - China

Room 903, No. 10 Building
Wan Da Plaza
No. 93 Jian Guo Road
Chao Yang District
Beijing, China 100022

Phone +86 (10) 5820 8767
Fax +86 (10) 58 20 8770