

HUBA**Type 525 Pressure Transmitter**

F.S Pressure Ranges from 1 to 10 PSI, Voltage/Current/Ratiometric Outputs

DESCRIPTION

Huba Type 525 pressure transmitters have a compact design along with a high measurement accuracy.

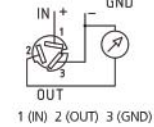
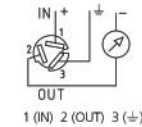
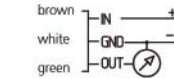
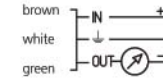
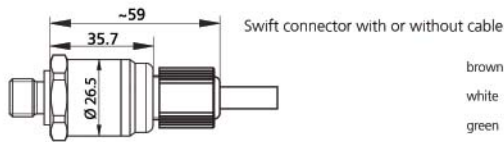
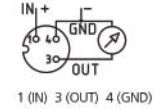
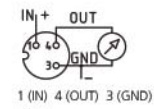
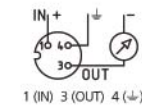
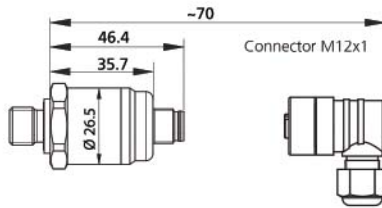
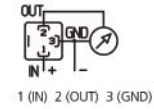
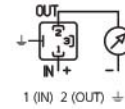
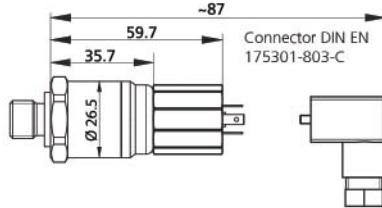
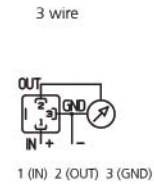
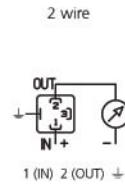
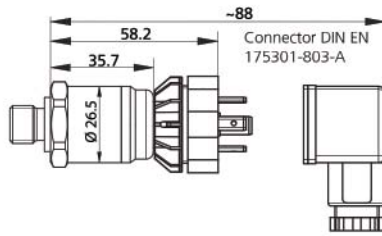
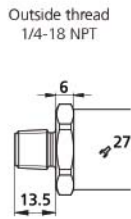
The transmitters utilize proven Huba ceramic technology in use on Huba pressure measurement products for over 20 years.

Wetted materials include 316 SS connections, ceramic sensor and a selection of seal materials including FPM, EPDM and NBR.



SPECIFICATIONS			Specifications Continued	
Full Scale Pressure Ranges	1 PSI, 2 PSI, 3 PSI, 5 PSI, 10 PSI		Electrical Connection - IP65 Protection	
Medium	Compatible liquids & gases		Connector DIN EN 175301-803-A	
Temperature Operating Range			Connector DIN EN 175301-803-C (Industrial standard 9.4 mm)	
Medium	FPM	-15...+85°C	Connector M 12X1	
	EPDM	-25...+85°C	Swift connector with or without cable (PVC weather proof)	
	NBR	-20...+85°C	Pressure Connection	1/4-18 NPT Male (Metric options on request)
Ambient	-25...+85°C		Accuracy: ±0.00435 PSI+0.4% F.S. (includes zero point, full scale, linearity, hysteresis, repeatability and thermal characteristic (-25 ... 85 °C	
Storage	-40...+85°C		Long Term Stability Per IEC EN 60770-1: ±0.2% F.S.	
Max Over/Rupture Pressure	29 PSI (2 bar)		Standard Mounting Position: Vertical, pressure connection down	
Max. Negative Pressure	-29" Hg (-1 bar)		Effect of alternate mounting position on accuracy:	
Wetted Materials	Pressure Connections	AISI 316L	Horizontal Mounting	±0.00145 PSI (0.1 mbar)
	Measuring Element	Al ₂ O ₃ (99.6%)	Verticle Mount Connection Up	±0.0029 PSI (0.2mbar)
	Sealing Material	FPM, EPDM, NBR	Weight	120 g
Electrical			Testing:	
Electrical Plug Material	Polyarylamide 50% glass filled, UL 94 V-0		Electromagnetic Compatibility	CE conformity per EN 61326-2-3
Signal Output Options			Shock Per IEC 68-2-6	50 g, 6 ms half sine wave, all 6 directions, free fall from 1 m on concrete (6x)
2-wire, 4-20 mA output	Power Supply 10-30 VDC; Current Consumption- <23 mA		Vibration IEC 68-2-6	20 g, 15 ... 2000 Hz, 15 ... 25 Hz with amplitude μ 15 mm, 1 Octave/min. all 3 directions, 50 constant load
	Load (Ohms)= Supply Voltage-10V÷0.02 A		UL	applied acc. cULus 61010-1
3-wire, 0-5V output	Power Supply 7-33 VDC; Current Consumption- <5 mA		Protection against explosion (4 ... 20 mA)	applied acc. ATEX - Ex II ½ G Ex ia IIC T4 Ga/Gb
	Load - >10k Ohm/<100 nF			applied acc. IECEx - Ex II ½ D Ex ia IIIC T120AC Da/Db
3-wire, 0-10V output	Power Supply 12-33 VDC; Current Consumption- <5 mA			
	Load - >10k Ohm/<100 nF			
3-wire, ratiometric 10...90% supply voltage	Power Supply 5 VDC ±10% Current Consumption- <5 mA			
Dynamic Response				
Start-up Time	<200 ms			
Response Time	<150 ms			
Load Cycle	<100Hz			

DIMENSIONS (MM), ELECTRICAL CONNECTIONS, WIRING



ORDERING INFORMATION

BUILD PART NUMBER FROM TABLE BELOW- A.B.C.D.E.F

EXAMPLE: 525.984.20.3.2.311

*A MODEL	B PRESSURE RANGE	C SEAL	D OUTPUT	*E ELECTRICAL CONNECTION	F PRESSURE CONNECTION
525	981= 0-1 PSI 982= 0-2 PSI 984= 0-3 PSI 986= 0-5 PSI 988= 0-10 PSI	00= FPM (Fluoro Elastomer) 10= EPDM (Ethylene Propylene) 20= NBR (Butadiene Acrylonitrile)	1= 0-5 VDC 2= 0-10VDC 3= 4-20 mA 7= Ratiometric	1= DIN EN 175301-803-A 2= DIN EN 175301-803-C 0= Swift Connector, no cable L= Swift Connector, 1.5 m cable N= Swift Connector, 2.0 m cable Q= Swift Connector, 3.0 m cable R= Swift Connector, 5.0 m cable	311= 1/4-18 NPT Male

* Special ranges are available on request

** DIN connectors are supplied without female connector

Other connectors such as M12 provided on request