



PRESSURE TRANSMITTER 710

Ceramic Piezoresistive Type

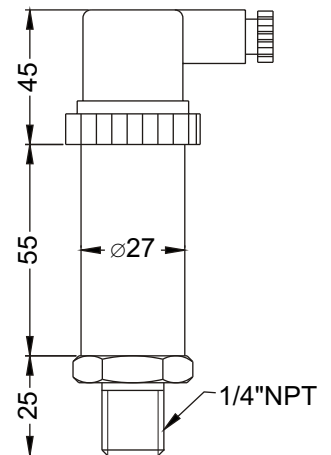
- MEASURING RANGES UP TO 600bar
- ANTICORROSIVE MATERIALS
- TEMPERATURE COMPENSATED
- PRESSURE LIMIT UP TO 2.5 TIMES
- EMI PROTECTION & IP65 HOUSING
- ZERO / SPAN INNER ADJUSTMENT
- LOW HYSTERESIS & HIGH REPEATABILITY



SPECIFICATIONS

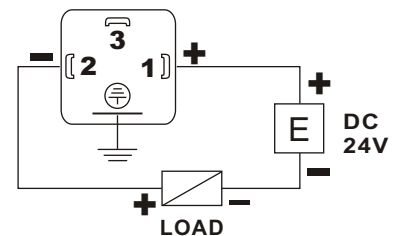
OUTPUT SIGNAL	4-20mA DC 2-wire system or specified
POWER SUPPLY	12 ~ 30V DC
SYSTEM LOAD	700Ω at 24V DC
ACCURACY	± 0.5% F.S. (Standard) ± 0.2% F.S. for specified
PRESSURE LIMIT	1.5 × rated range for St'd or 2.0 ~ 2.5 times for specified
HYSTERESIS	≤ 0.1% F.S.
REPEATABILITY	≤ 0.05% F.S.
STABILITY	≤ 0.2% / year
OPERATION TEMP.	-10 to +85°C
TEMP. COEFFICIENT	≤ 0.005% F.S. at 0~80°C
AMBIENT TEMP.	0 to 55°C, < 95%RH
ELECTRICAL PROTECTION	EMI Performance and shockproof (St'd) or EEx ia IIC T4 for specified
CABLE ENTRY	4-pin Plug (DIN 43650) , IP65
PROCESS CONNECTION	1/4"NPT or Special specified
MATERIAL	1.4571 (316S.S.) for wetted parts 1.4301 (304S.S.) for Housing Ceramic W/PTFE for Sensor diaphragm

DIMENSIONS

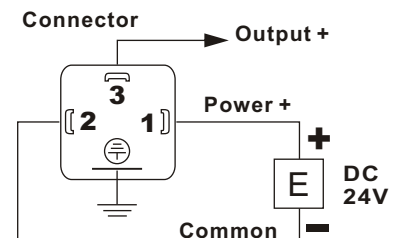


WIRING CONNECTIONS

Current Output (2-wire System)



Voltage Output (3-wire System)



MODEL SELECTIONS

Table 1

ITEM	CODE	SPECIFICATIONS
① MODEL	710A	Absolute Pressure Transmitter
	710B	Gauge Pressure Transmitter
	710C	OEM Versions
② OUTPUT	— 0	4~20mA DC
	— 1	1~5V DC
	— 2	To be specified
③ CONNECTION	0	1/4"PT
	1	1/4"NPT
	2	1/4"BSP
	3	To be specified
④ MATERIAL OF WETTED PARTS	0	1.4571 (316S.S.)
	1	To be specified
⑤ ELECTRICAL PROTECTION	— A	EMI Performance and shockproof
	— B	EEx ia IIC T4
	— C	To be specified
⑥ CABLE ENTRY	A	PG 9 (Standard)
	B	PG 11
	C	1/2"NPT(F)
	D	To be specified
⑦ ACCURACY	A	± 0.5% F.S. (Standard)
	B	± 0.2% F.S.
⑧ PRESSURE LIMIT	A	1.5 × Rated range (Standard)
	B	To be specified
⑨ MEASURING RANGE	— 0.1	0~0.1 bar
	— 600	0~600 bar (See table 2 & 3)
	— XXX	To be specified

NOTE :

- 1.If fluid contained Sludge or crystalliferous , it shall adopt diaphragm seal extra for port .
- 2.For high temperature type , suggest to add capillary tube conform to the operating condition of product .

CONVERSION FACTORS FOR RANGE UNIT

Table 2

CODE	Bar	kg/cm ²	MPa	PSI	WATER COLUMN
0.1	0.1	0.102	0.01	1.4503	1.0211M
0.2	0.2	0.204	0.02	2.90	2.0422M
0.4	0.4	0.408	0.04	5.80	4.0844M
0.5	0.5	0.51	0.05	7.2515	5.1055M
1.0	1.0	1.02	0.1	14.503	10.211M
2.0	2.0	2.04	0.2	29.0	20.422M
5.0	5.0	5.1	0.5	72.5	51.055M
6.0	6.0	6.12	0.6	87.0	61.266M
10.0	10.0	10.2	1.0	145	102.11M
12.0	12.0	12.24	1.2	174	
15.0	15.0	15.3	1.5	218	
16.0	16.0	16.32	1.6	232	
20.0	20.0	20.4	2.0	290	
25.0	25.0	25.5	2.5	362	
30.0	30.0	30.6	3.0	435	
35.0	35.0	35.7	3.5	508	
40.0	40.0	40.8	4.0	580	
50.0	50.0	51.0	5.0	725	
60.0	60.0	61.2	6.0	870	
100	100	102	10.0	1450	
150	150	153	15.0	2175	
200	200	204	20.0	2900	
250	250	255	25.0	3626	
400	400	408	40.0	5801	
600	600	630	60.0	8702	
XXX	To be specified				

Table 3

CODE	mbar	kg/cm ²	KPa	mmHg	WATER COLUMN
ATM	1013	1.033	101.325	762.48	10.351M
BAR	1000	1.02	100.0	752.47	10.211M
TORR	1.329	0.0014	0.133	1	0.0136M
MAQ	98.066	0.099	9.807	73.796	1

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