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DO-020.41E

PRESSURE TRANSMITTERS DELTA OHM HD 9408T.. MODELS

The passive pressure transmitters HD 9408T Series ... make the variation of pressure on a flexible membrane in a linear proportional signal $4 \div 20$ mA to two cables.

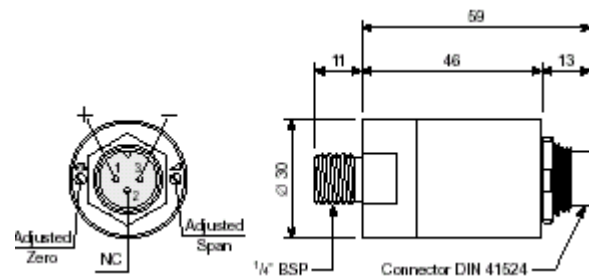
The sensitive element is a resistance bridge piezo-resistive membrane deposited on a special ceramic material.

The bending of the membrane causes a variation of resistance linear proportional to the applied pressure.

The sensitive element is housed inside a stainless steel body. dia. 30x60 mm. inside which is the pressure sensor and electronics in the base has provided an anchor for a 24 mm wrench, the fitting connection with the installation under pressure is 1/4 "BSP.

On the opposite side connection to the instrument is a metallic circular connector DIN 41 524 three poles.

Two Multi Spin trimmers to adjust the start and end of the scale $\pm 5\%$ of approx.

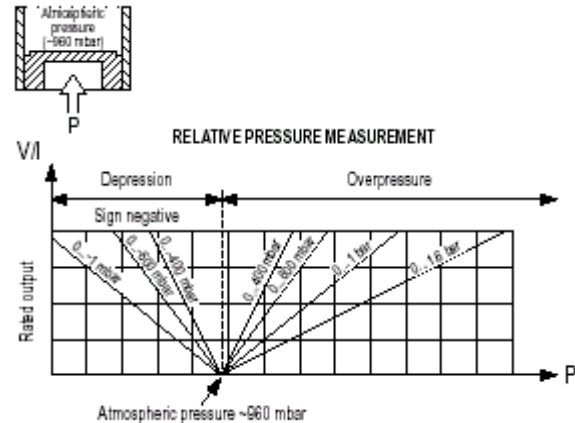
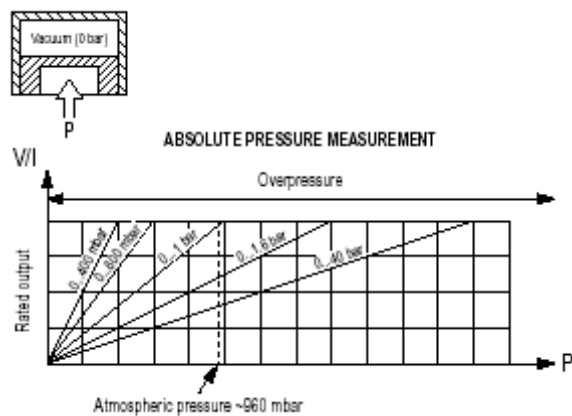


TECHNICAL SPECIFICATIONS

Output	4...20 mA (HD 2004T...)
Pressure range	2.5, 4, 6, 10, 16, 25, 40, 60, 100, 160, 250, 400 and 600 bar absolute 250, 400, 600 mbar relative 1, 2.5, 4, 6, 10, 16, 25, 40, 60 bar relative
Overpressure limit	Up 250 bar 400 bar nominal 600 bar nominal
	Two times the nominal value
	750 bar
	750 bar
Sensor	Piezo-resistive
Membrane	Alumina, AISI 316 for models 250, 400 and 600 mbar relative
Fluid contact with the membrane	Gas or liquid
Working temperature	-10...+70°C
Voltage	9...30Vdc, ripple max. $\leq 4V_{pp}$
Zero point adjustment and FS	$\pm 5\%$ for two trimmers
Accuracy	linearity: $\delta \pm 0.5\% F.S.$ hysteresis: $\delta \pm 0.1\%$ reading accuracy: $\pm 0.1\%$ reading @ 20°C
Temperature compensation	0...80°C
Process connection	1/4"BSP male
Electrical connection	3-pole circular connector DIN 41 524 male
Material container	AISI 304 stainless steel and Viton
Dimensions / Weight	30x70 mm / 190 g
Load resistance	Rumax = Vcc-9/22mA
Response time	0.5 sec. (Time required to reach 63% of the final variation)
Mounting position	Indifferent

CONSTRUCTION PROGRAM

F.S.	RELATIVE Ref.: air pressure	ABSOLUTE Ref.: water column vacuum	ABSOLUTE Ref.: 1 bar :: water column
250 mbar	HD 9408T-250 MBG		
400 mbar	HD 9408T-400 MBG		
600 mbar	HD 9408T-600 MBG		
1 bar	HD 9408T-1 BG		
2.5 bar	HD 9408T-2B5G	HD 9408T-2B5A	
4 bar	HD 9408T-4 BG	HD 9408T-4 BA	
6 bar	HD 9408T-6 BG	HD 9408T-6 BA	
10 bar	HD 9408T-10 BG	HD 9408T-10 BA	
16 bar	HD 9408T-16 BG	HD 9408T-16 BA	
25 bar	HD 9408T-25 BG	HD 9408T-25 BA	
40 bar	HD 9408T-40 BG	HD 9408T-40 BA	
60 bar	HD 9408T-60 BG	HD 9408T-60 BA	
100 bar			HD 9408T- 100 BA
160 bar			HD 9408T-160 BA
250 bar			HD 9408T-250 BA
400 bar			HD 9408T-400 BA
600 bar			HD 9408T-600 BA



Absolute and relative pressure



They have to take precautions when installing the transmitters in containers under pressure or pipes.

Attention should be paid in the choice of flow at the bottom of the scale: Error also irreparably damage the transmitter, can cause great physical damage entity objects and people. Instalrr always, before the transmitter, a shut off valve and verify that the installation does not produce spikes or unusual and unexpected leaps of fluid under pressure.

CE COMFORMITY

Security	EN61010-1 level 3
ESD	EN61000-4-2 level 3
Electrical fast transient	EN61000-4-4 level 3
High Energy Transient	EN61000-4-5 level 3
Voltage variations	EN6100-4-11
EMI Susceptibility	IEC1000-4-3 10V/m
EMI Emission	EN55020 class B

