

TRASMETTITORE DI PRESSIONE DIFFERENZIALE - MSP80D HART

Caratteristiche:

- Trasmittitore di pressione differenziale MSP80D, con sensore di acciaio inossidabile è adatto un'ampia varietà di liquidi, gas e vapori.
- Campi di pressione nominali:
Da -0,075 ... 0.075pa
Fino a 70bar ... 70bar;
- Max. Turndown:100:1;
- Display LCD con retroilluminazione;
- Housing può essere ruotato di 360°;

Applicazioni:

- Per l'applicazione nella progettazione di processo. per liquidi, vapori o gas. Campi di impiego sono: ingegneria di processo, industria chimica.

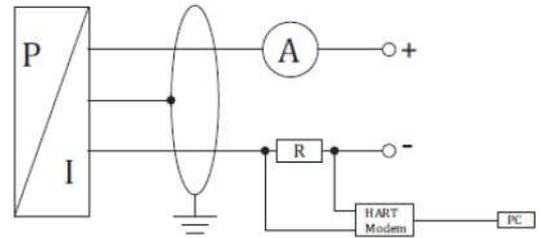
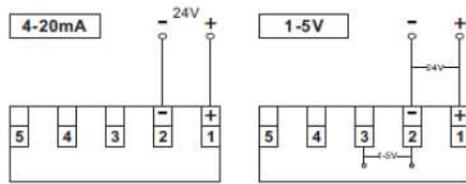


Dati Tecnici

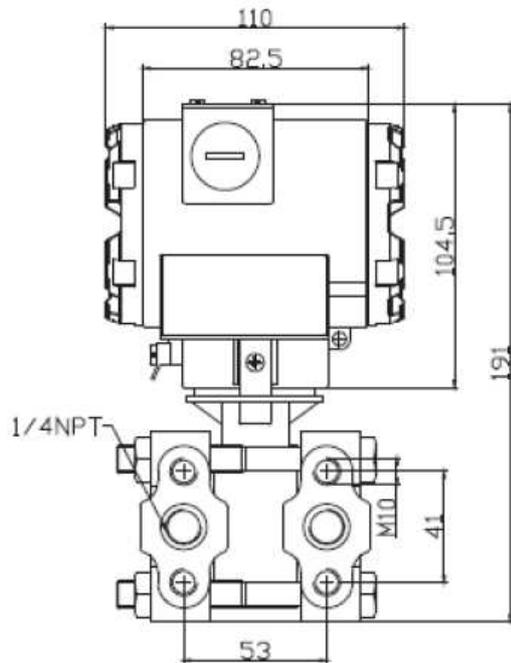
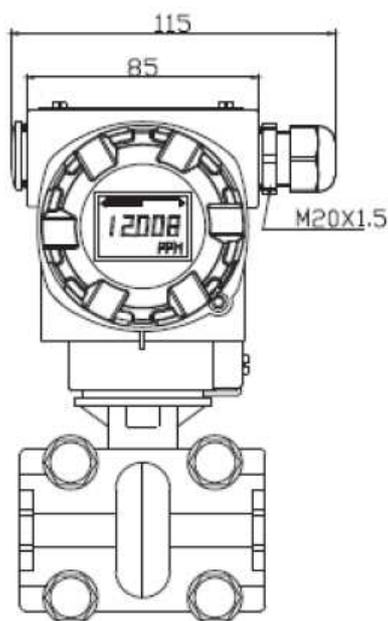
Measuring range					
Code	Nominal pressure	Measurement limit		Overload	Min.operating pressure
		Lower (LRL)	Upper (URL)		
3S	7.5kPa	-7.5kPa	7.5kPa	13MPa	0.12kPa
4S	40kPa	-40kPa	40kPa	13MPa	0.04kPa
5S	200kPa	-200kPa	200kPa	13MPa	2kPa
6S	700kPa	-700kPa	700kPa	13MPa	7kPa
7S	2100kPa	-2100kPa	2100kPa	13MPa	21kPa
8S	7000kPa	-7000kPa	7000kPa	125%	70kPa
Power supply (polarity protected)					
Supply voltage			10.5...45 V DC		
Input					
2-wire-system			4...20mA with superimposed signal for HART protocol digital communication		
Signal range- 4 to 20 mA			3.8mA...20.8mA		
Signal on alarm			3.8mA/Option: 22.8mA/Others on request		

Electrical protection	
Isolation resistance	> 250M Ω
Insulation resistance	Permanent
Reverse polarity protection	No damage, and no function
Overvoltage protection	500V
Intrinsic safety	Ex ia CT4~T6
Performance	
Accuracy	3S 0.1% accuracy for range trundown 5:1 (0.1+0.01XURL/Span) between 1/5 and 1/50 of measuring
	4S..7S 0.075% accuracy for range trundown 10:1 (0.075+0.00751XURL/Span) between 1/10 and 1/100 of measuring
	8S 0.2% accuracy for range trundown 10:1 (0.2+0.01XURL/Span) between 1/10 and 1/100 of measuring
Power supply effect	Negligible
Static pressure effect	<0.01%URL/g when 200Hz
Vibration effect	\pm 0.05%/10K
Installation position effect	Zero: 0.1%/7MPa; Span: 0.2%/7MPa
Thermal effect	Offset can be set to zero
Static pressure	0.1%URL /year
Stability	5s
Cycle time/Updater time	0 to 100s, in 0.1s-step
Switch on delay	\leq 200ms (without consideration of electronic damping)
Damping	0 bis 2%
Response time	0 bis 160 μ A
Self stability configuration	30bar..130bar
Filter configured	0.25s
Environment	
Humidity	5..98%
Ambient and operation	-40 to +85 °C (without display), -20 to +70 °C(with display)
Storage Temperature	-40 to +85 °C
Ingress protection	IP 65
Electromagnetic compatibility(EMC)	Interference immunity and interference emission according to IEC 61326-1 : 2006.
Physical specifications	
Diaphragms	Stainless steel 316L, Others on request
Flange	Stainless steel 316L
Drain/vent valve	Stainless steel 316L
Media wetted o-rings	FKM, others on request
Electronic housing	Die-cast aluminium
Flange screws, identification plate	Carbon steel with Zinc coating
Mounting brackets (Option)	Carbon steel with Zinc coating or with painting
Sight glass	Laminated safety glass
Filling fluid	Silicon oil/Others on request
Others	
Display	Visible range 32.5 x 22.5mm; 5-digit 7-segment main display, digit height 8mm, 8-digit 14 segment additional display, digit height 5mm; 52 bars meter with 2% resolution
	Display Range
	Weight
	-19999-99999
	Standard model approx. 3.8kg

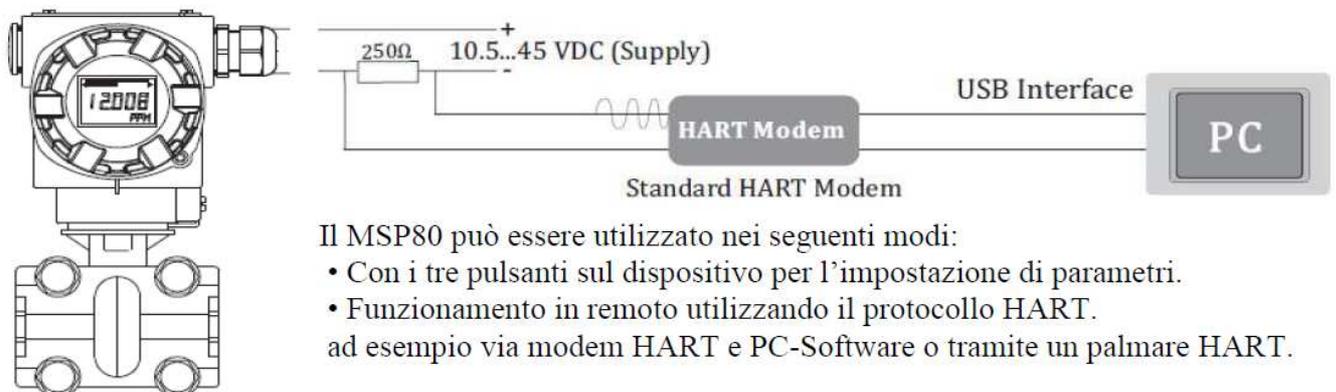
Connessione Elettrica:



Dimensioni (mm):



Operazioni:



Il MSP80 può essere utilizzato nei seguenti modi:

- Con i tre pulsanti sul dispositivo per l'impostazione di parametri.
- Funzionamento in remoto utilizzando il protocollo HART, ad esempio via modem HART e PC-Software o tramite un palmare HART.

Composizione Codice:

Type	MSP80D														
Communication Type															
	HART	H													
Meas. Range [bar]															
	-0.075...0.075		3	S											
	-0.4...0.4		4	S											
	-2...2		5	S											
	-7...7		6	S											
	-21...21		7	S											
	-70...70		8	S											
	Others on request		9	9											
Fill Fluid															
	Silicone oil, standard cleaning		0	1											
	Silicone oil, degrease cleaning		0	2											
	Fluorocarbonoil, degrease cleaning		0	3											
Process connection															
	None, 1/4 NPT female on the voer flanges		1	0											
	1/2-14, female, two electrical connections		1	1											
	Others on request		9	9											
Seal															
	FPM								0	1					
	Others on request								9	9					
Wetted Parts Material															
	SUS316 SST with SUS316 SST Isolating diaphragm		0	1											
	SUS316 SST with Hastelloy C276 Isolating diaphragm		0	2											
	Hastelloy C276 with Hastelloy C276 Isolating diaphragm		0	3											
Electrical connection															
	M20X1.5 DIN								0	1					
	Others on request								9	9					
Mounting bracket															
	Horizontal bracket													H	
	Vertical bracket													V	
	None													O	
LCD Display															
	None													N	
	With Display													D	
Signal on alarm															
	Factory preset 3.8 or 22.8mA													0	0
	Others on request													9	9
Other Opitions															

Typical model number: MSP80D-H-3S-01-10-01-01-01-0D-00

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