

LFT6800 Digital Display Pressure Transmitter

FEATURES

- Digital display and press button control
- Vibration and shock resistance
- With reverse polarity protection
- Strong overload and anti-environmental interference ability, economical, practical and stable



DESCRIPTION

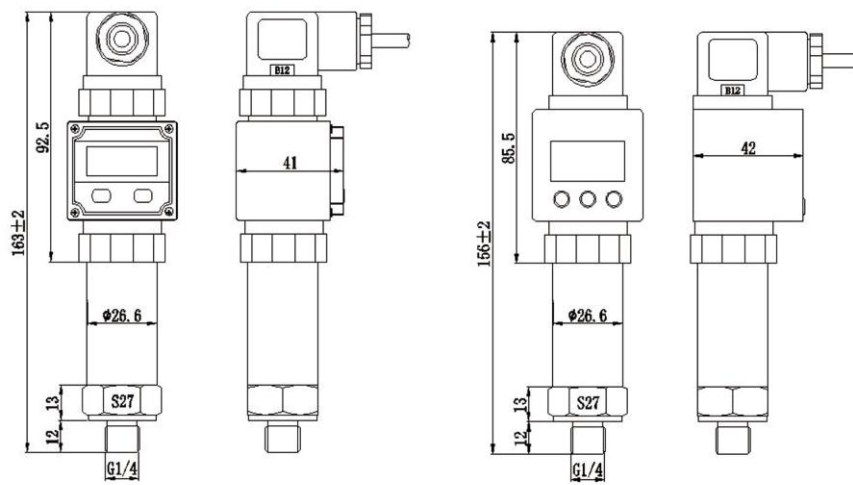
LFT6800 digital pressure transmitter adopts high-performance ceramic core or oil-filled silicon core, with advanced processing circuit and temperature compensation technology. Convert pressure changes into linear current, voltage or RS-485 signals. The product is small in size and easy to install. It adopts a digital display head and a stainless steel shell. It is suitable for measuring media such as gas and liquid which are compatible with the material in contact with it, and can monitor and display the current measured pressure value in real time.

SPECIFICATION

Measurement Range	-100kPa...0~1kPa...60MPa Oil-filled silicone			-100kPa~0.3MPa...60MPa ceramic core	
Overload Pressure	1.5times of rated pressure			1.5times of rated pressure	
Accuracy ①	$\pm 1.0\%F.S$; $\pm 0.5\%F.S$			$\pm 1.0\%F.S$	
Stability	<0.5%F.S/year			<0.5%F.S/year	
Display Mode	4 digit LCD			4 digit LCD	
Working Temp	-20~75℃			-20~75℃	
Storage Temp	-30~80℃			-30~80℃	
Measured Medium	Gas and liquid compatible with SS304 and SS316L, Fluorine rubber or Nitrile rubber			Gas or liquid compatible with 1Cr18Ni9Ti, SS304, Fluorine rubber or Nitrile rubber	
Electrical Performance	2-wired	3-wired	4-wired	2-wired	3-wired
Output Signal	4~20mA	0~10V	RS485	4~20mA	0~10V
Power Supply	12~30VDC	12~30VDC	12~30VDC	12~30VDC	12~30VDC
Electrical Connection	Big Hirschmann				
Enclosure Protection	IP54				
Pressure Connection	G1/4, NPT1/4, R1/4, M12*1, M10*1, M20*1.5, G1/2 etc.				

①Measured at 25℃, including the combined accuracy of continuity, repeatability and hysteresis.

DIMENSION (mm)



Current/Voltage Output

RS485 Output

ORDER REF NO.

Code and description										Remark
LFT6800										Model
	Range	-100kPa...0~1kPa...60MPa								Measurement Range
	A4	A4 = 4~20mA(2-wired)								Output Mode
	V05	V05 = 0.5~4.5V(3-wired)								
	RS	RS = RS-485								
	G	G = G1/4		G2	G2 = G1/2					Pressure Connection
	N	N = NPT1/4		M20	M20 = M20*1.5					
	R	R = R1/4		M12	M12 = M12*1					
	M10	M10 = M10*1								
	0.5	0.5 = 0.5%F.S								Accuracy Grade
	1.0	1.0 = 1%F.S								
	D1	D1 = DIN43650A(Big Hirschmann)								Electrical Connection
	K	K = kPa		P	P = psi					Measurement Unit
	B	B = Bar		M	M = MPa					
	A	A=Ceramic Core								Core Specification
	B	B=Oil-filled silicone core								
	1.0	1.0 = 1m								Cable Length
LFT6800	0-60	A4	G	1.0	D1	B	A	1.0	Selection Example	