

## LFT700 Series-Pressure Transmitter

### FEATURES

- High-precision pressure sensor using MEMS monocrystalline silicon
- Fast response time, high stability, measurement accuracy 0.075%FS
- Turndown ratio up to 100:1
- Provide standard HART bus communication mode, perfect self-diagnosis and remote communication function
- High brightness LCD display with backlight, reversible in-place display screen
- In-place zeroing function, in-place zero point, full point setting and adjustment function
- Convenient in-place current loop calibration function
- Various types of connection
- RS-485 and 4~20mA HART output mode



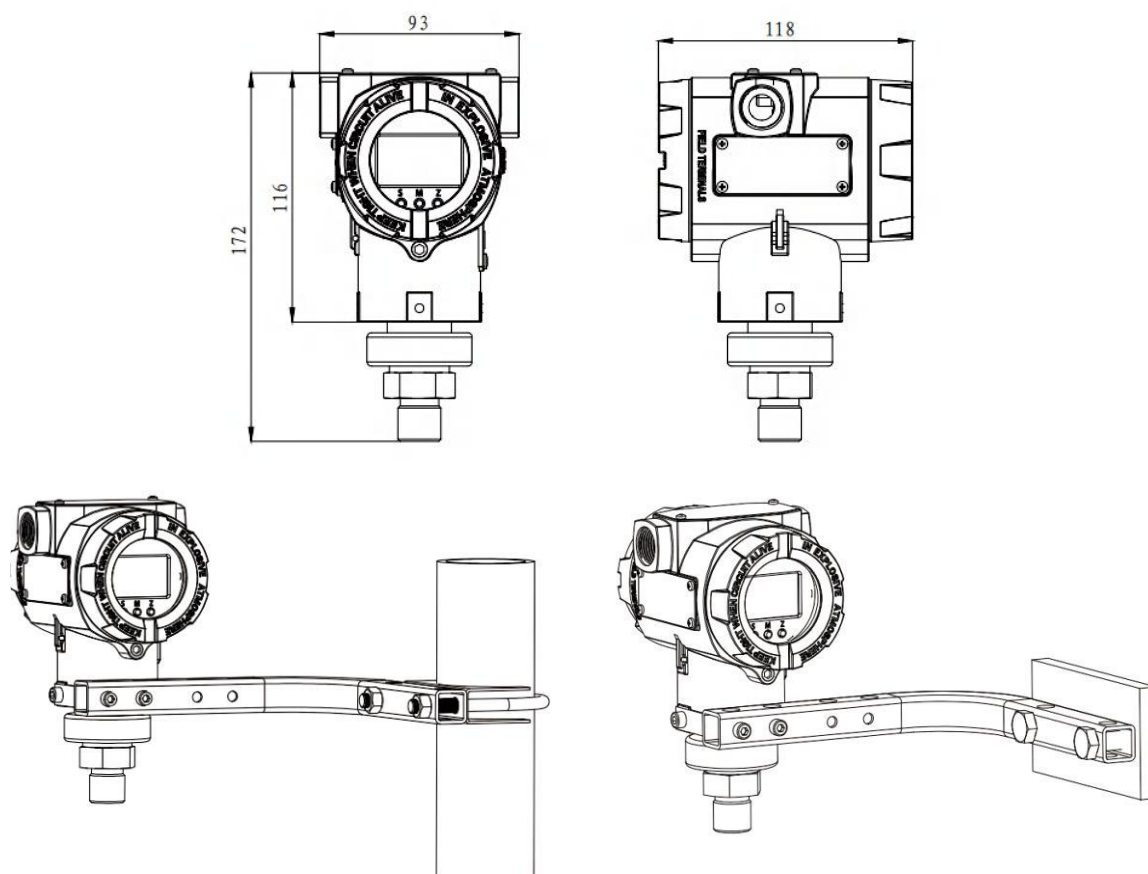
### DESCRIPTION

LFT700 pressure transmitter is used to measure the liquid level density and pressure of liquid, gas or steam, then convert it to 4~20mA DC output signal. The transmitter can be operated locally with three buttons, or remotely operated by a universal hand operator, configuration software, and mobile phone APP. It can perform display and configuration adjustments without affecting the output signal of 4~20mA DC .

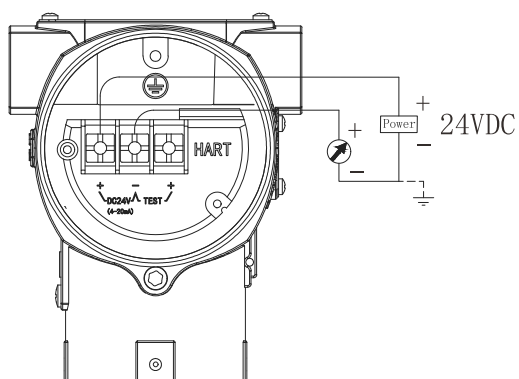
### SPECIFICATION

Measurement range	6KPa、40KPa、250KPa、1MPa、3MPa、10MPa		
Overload pressure	6KPa (400KPa)、40KPa (1MPa)、250KPa (4MPa)、1MPa (6MPa)、3MPa、10MPa		
Accuracy	±0.075%F.S		
Stability	±0.2% of the upper range		
Operating temperature	-20~70℃ with display		
Storage temperature	-40~85℃		
Media to be measured	Gas, liquid		
Diaphragm material	316L, Hastelloy C, tantalum,		
Electrical Performance	2-wire		4-wire
Output Signal	4~20mA	4~20mA HART	RS485
Power supply	12~36VDC	12~36VDC	12~36VDC
Electrical connection	M20*1.5 waterproof outlet wire, NPT1/2 waterproof outlet wire		
Enclosure protection level	IP65		
Pressure interface	M20*1.5 male thread, NPT1/2 female thread, NPT1/2 male thread, G1/2 male thread, others		
Pressure type	Gauge pressure G		
Certification items	ExdIICT6、CE		

## DIMENSION (mm)



## ELECTRICAL CONNECTION



## ORDER REF NO.

Detailed Model Selection													Provide fast delivery
Model LFT700-G													
1	Measuring range	B	0-200Pa~6KPa(0-20~600mmH <sub>2</sub> O)/(0-2~60mbar)										※
		C	0-400Pa~40KPa(0-40~4000mmH <sub>2</sub> O)/(0-4~400mbar)										※
		D	0-2.5KPa~250KPa(0-0.25~25mH <sub>2</sub> O)/(0-25~2500mbar)										※
		E	0-10KPa~1MPa(0-1~100mH <sub>2</sub> O)/(0-0.1~10bar)										※
		F	0-30KPa~3MPa(0-3~300mH <sub>2</sub> O)/(0-0.3~30bar)										※
		G	0-100KPa~10MPa(0-10~1000mH <sub>2</sub> O)/(0-1~100bar)										△
2	Diaphragm material	S	316L										※
		H	Hastelloy C										
		T	Tantalum										
3	Filling liquid		D	Silicone oil									※
4	Electrical connection			1	M20*1.5 female thread, PVC								※
				2	M20*1.5 female thread, stainless steel								※
				3	1/2NPT female thread, PVC								
				4	1/2NPT female thread, stainless steel								
5	Output			N	4~20mA								※
				J	4~20mA+HART								※
				F	RS485								※
6	Process connection			M	M20*1.5 male thread								※
				G	G1/2 male thread								※
				N	NPT1/2 male thread								※
				A	NPT1/2 male thread								※
				Y	others								△
7	Mounting brackets				N	No stand						※	
					B4	Pipe bend bracket (carbon steel)						※	
					B5	Flat bend bracket (carbon steel)						※	
8	Explosion-proof treatment					N	Normal type					※	
						D	Secondary Explosive ExdIICT6						
9	Display					M5	With display					※	
						N	No display					※	
10	Additional requirements				P	M20*1.5 female thread with pressure welding head							
					N	Connector material is 304, optional 316L							
					K	Degreasing and cleaning treatment							
					L	Hanging number plate							
					H	Lightning protection (transient voltage resistance)							
					E	English nameplate							
					V2	Two valve group							
LFT720-G		C	S	D	1	J	M	N	N	M5			
※ means the delivery speed is fast, no ※ means the delivery time is longer, △ means it needs to be customized													