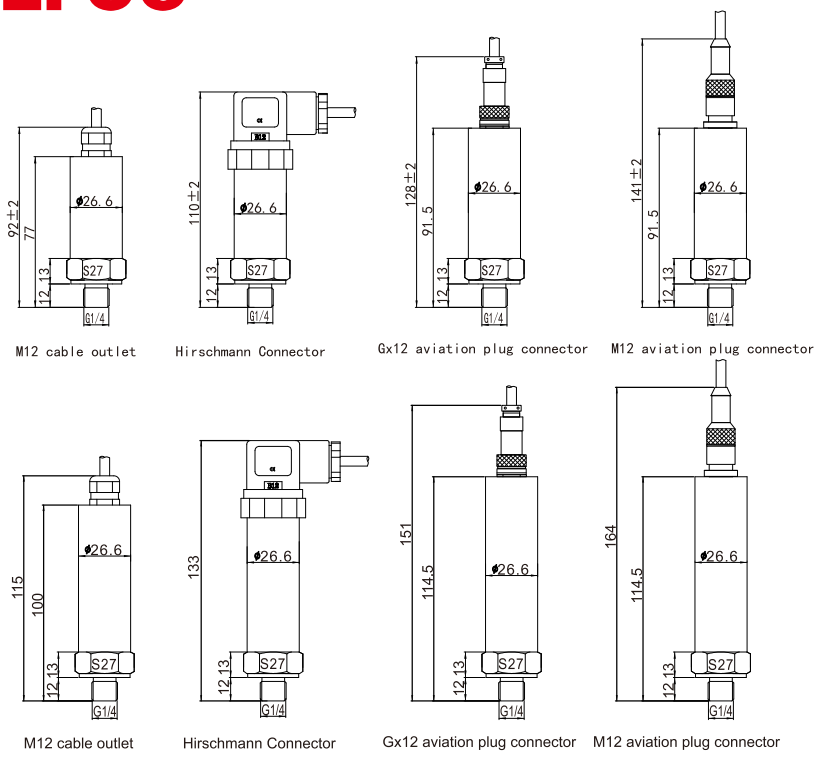
LEFOO

LFT3100

Temperature and Pressure Integrated transmitter



Dimension in : mm

LFT3100 temperature and pressure integrated transmitter adopts advanced piezoresistive pressure sensor and PT-100 temperature sensor, which is converted into a standard output signal through a special signal conditioning circuit.It has the advantages of advanced temperature digital compensation, wide operating temperature range and full output signals. It is suitable for the monitoring of pressure and temperature in crude food and water treatment

LFT3100 Order Ref No

LFT3100	0-60	M	0-100°C	2	A4	0.5	M	G	1.0
	A	B	C	D	E	F	G	H	I

A Pressure Range 0~10kPa...70MPa

B Measurement Unit K=kPa,P=psi,M=MPa,B=Bar

C Temperature TR=20~100°C

D Accuracy 2=2%F.S(Temperature Accuracy)

E Output Mode A4 =4~20mA(2-wired),V05=0.5~4.5V(3-wired),RS=RS-485(4-wired)

F Accuracy Grade 0.5 = 0.5%F.S

G Electrical Connection D1=DIN43650A(Big Hirschmann),M=M12(M12 waterproof cable outlet)
C3=GX12 three core aviation connector,C4=GX12 four core aviation connecto，H=M12 four core aviation connector

H Pressure Connection G=G1/4,G2=G1/2,M1=M10*1 ,N=NPT1/4,M20=M20*1.5,M12=M12*1

I Cable Length:1.0 = 1m,2.0 = 2m,3.0 = 3m

Specification

General	Value		
Measurement Range	0~10kPa ... 70MPa		
Temperature Range	-20~100°C(PT-100)		
Overload Pressure	1.5 times of the rated pressure		
Accuracy①	Pressure: ±0.5%F.S Temperature:±2%FS		
Stability	<0.5%F.S/year		
Working Temp	-20~85°C		
Storage Temp	-40~100°C		
Measured Medium	Gas or Liquid Compatible with 304 or 316L Stainless Steel,Fluorine rubber or Nitrile rubber		
Electrical Performance	2-wired	3-wired	4-wired
Output Signal	4~20mA	0.5~4.5V	Rs485
Power Supply	10~30VDC	4.75~5.25VDC	10~30VDC
Electrical Connection	DIN43650A(Big hirschmann),M12waterproof outlet,GX12 aviation connector(three core / four core), M12 four core aviation connector		
Enclosure Protection	IP54(GX12 aviation connector),IP65(DIN43650A,M12 waterproof outlet, M12 four-coreaviation connector)		
Pressure Connection	G1/4,M12*1,M10*1,NPT1/4,G1/2,M20*1.5etc.		
Pressure Form	Gauge pressure G / Absolute pressure A		
Certification	RoHS,EU electrical safety standard CE		

①Measured at 25°C with combined accuracy of linearity, repeatability and hysteresis.