



## Features

- Adopt ceramic sensitive diaphragm or stainless steel diaphragm
- High overload capacity
- Excellent corrosion and abrasion resistance
- ASIC & MEMS technology, digital compensation
- Small size, application to various complex environments



## Description

LEFOO T2000 pressure sensor / transducer is widely used in the measurement or test systems of gas, fluid medium pressure, such as fire fighting, water treatment, water supply systems, air compressors, pneumatic & hydraulic devices, and factory automation, etc. The internal pressure cores and chips are imported from Germany, by using military technology and craftsmanship in mass production, besides the advanced design, complete craftsmanship, sophisticated equipment, and whole quality assurance systems, this product had been sold to more than 40 countries around the world.

## Specification

Measurement Range	-100kpa...-7kpa~0kpa, / -1Bar...-0.07Bar~0Bar (Gauge Pressure), 0~10kpa...70Mpa, 0~0.1Bar...713Bar (Gauge pressure/Absolute pressure), 0~0.4Mpa...60Mpa, 0~4Bar...611Bar (Gauge pressure)		
Overload pressure	1.5 times of full scales(Max.100Mpa, 1000 Bar)		
Burst Pressure	3 times of full scales(Max.100Mpa, 1000 Bar)		
Accuracy	$\pm 0.5\%$ F.S、 $\pm 1.0\%$ F.S		
Stability	<0.5%F.S/Year		
Working temp.	-20~+85°C/-40~+100°C ( customized)		
Compensated Temperature	-10~+70°C/-40~+100°C ( customized)		
Storage Temperature	-40~+100°C		
Medium Compatibility	All corrosive medium compatible with 1Cr18Ni9Ti stainless steel and ceramic		
Output Mode	Two-wired	Three-wired	
Output Signal	4~20mA	0.5~4.5V	0~5V 0~10V
Power Supply	10-30VDC	5VDC	12-30VDC
Electrical Connection	Packard, DIN43650C (Little Hirschmann), DIN43650A (Big Hirschmann), M12 waterproof outlet, M12 aviation connector		
Protection	IP65、IP54		
Pressure connection	G1/4、NPT1/4、R1/4、BPS1/4、G1/2、7/16-20UNF、M20*1.5 etc.		
Pressure Form	Gauge pressure G/Absolute pressure A		
Certification	Safety explosion-proof type E, RoHS, EU electrical safety standards CE		



Dimension



Electrical connection to select

Electrical Connection	Ref. drawing	Electrical Connection	Ref. drawing
Packard		M12X1.5 Waterproof	
DIN43650A big Hirschmann		M12X0.75 four-pinhole aviation connection	
DIN43650C small Hirschmann		M12X0.75 three-pinhole aviation connection	

Order Ref NO.



Code and description										Notes		
T2000										Model		
Range		-100~0~100Kpa/-1Bar~0~1Bar/0~2...600bar/0-60MPa								Measurement Range		
		A4 A4 = 4~20mA (Two-wired)								Output Mode		
		V05 V05 = 0.5~4.5V (Three-wired)										
		V0 V0 = 0~5V (Three-wired)										
		V10 V10 = 0~10V (Three-wired)										
		K K = kpa				P P = psi		Unit				
		M M = Mpa				B B = bar						
		0.5		0.5 = 0.5%F.S						Accuracy class		
		1.0		1.0 = 1.0%F.S								
				P		P = Packard (Parker plug)						Electrical connection
				D		D = DIN43650C (Little Hirschmann)						
				D1		D1 = DIN43650A (Big Hirschmann)						
				M		M = M12 (M12 Waterproof outlet)						
				C		C = Cable (Three core aviation connector)						
				G		G = G1/4		G2		G2 = G1/2		Pressure connection
				N		N = NPT1/4		M20		M = M20*1.5		
				R		R = R1/4		U		U = 7/16-20UNF External thread		
				B		B = BSP1/4						
				1.0		1.0 = 1m						Cable length
				2.0		2.0 = 2m						
				3.0		3.0 = 3m						
T2000 0-60 V05 B 1.0 M G 1.0										Model selection example		