

ECONOMICAL PRESSURE TRANSMITTERS



ECO Pressure Transducer and Transmitters Special OME Project

IPS-PT-02

The IPS-PT-02 Pressure Transmitter is developed for automotive, water & HVAC industry. The IPS-PT-02 pressure transmitter uses ceramic pressure sensor as signal sensing element, through automatic testing and compensating zero and sensitivity in wider temperature range. The transmitter can transfer pressure to standard voltage and current signal. The material of housing and pressure port are stainless steel.



FEATURES

Pressures from 0~1 upto 150 Bar (higher range on request)
Accuracy upto 0.5% FS
Excellent Corrosion resistance
Small Profile, compact structure

APPLICATIONS

Automotive
Refrigeration
Industrial process control
Gas, Liquid pressure measurement
HVAC System
Mechanical Engineering

PERFORMANCE

Accuracy*	$\leq \pm 0.5\%$ FS (standard), $\leq \pm 1.0\%$ FS
Stability (1 year)	$\leq \pm 0.2\%$ of FS/year
Insulation Resistance	$> 100\text{ M}\Omega/100\text{VDC}$
Over Range Protection	$> 150\%$ F.S.
Response Time	$\leq 1\text{ ms}$
Reverse Polarity Protection	Yes

*Accuracy includes non-linearity, hysteresis & non-repeatability)

ENVIRONMENTAL

Temperature

Ambient Temp.	-20 ~ 85°C
Medium Temp.	-40 ~ 125°C
Storage Temp.	-40 ~ 125°C

Thermal Limits

Compensated	-20 ~ 85°C
Range TC Zero	$\leq +0.03\%$ FSO/°C
TC Span	$\leq +0.03\%$ FSO/°C
IP Rating* Vibration	IP65 minimum
Net Weight	20g (25Hz~5000 Hz) 80 gms



Industrix Precise Solutions Private Limited

Room No – 303, Bhumika Residency, Plot No-21, Sector-20, Roadpali, Kalamboli, Panvel (Tal.), Raigad (Dist.),
Maharashtra, India – 410218.

Mobile: +91 99309 98399 / +91 99674 97447

E-mail: admin@ipspl.in / sales@ipspl.in Website: www.ipspl.in

CIN : U52399MH2021PTC368555

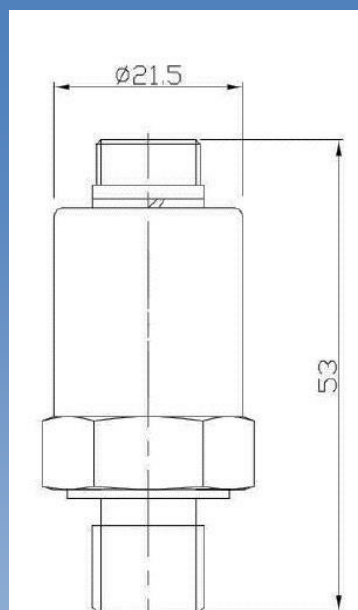
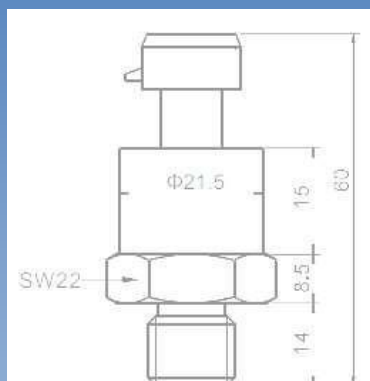
ELECTRICAL

Output	4~20 mA	0~5V	0.5~4.5V R/M
Supply	12..36VDC	12...36VDC	5VDC

WIRING GUIDE

Output type	Pin 1	Pin 2	Pin 3
4-20 mA (two wire)	V(+) Red	Signal (+) Green	NC
Voltage (three wire)	V(+) Red	Ground Black	Signal (+) Green

DIMENSION





HOW TO ORDER

IPS-PT-02 (0-100) B 1 2 A 001	
MODEL FAMILY	CABLE LENGTH
IPS-PT-02 Pressure Transmitter Economical OEM	001 = 1 Meter 002 = 2 Meter
PRESSURE RANGE	WETTED MATERIALS
Insert Pressure Range	A = Stainless Steel
PRESSURE UNIT	PROCESS CONNECTION
P = PSI	1 = ½" NPT (M)
B = BAR	2 = G½" (M)
K - KG/Cm ²	3 = M20 x 1.5 (M) - (6G)
OUTPUT	
1 = 4 - 20 mA	
2 = 1 - 5 V	
3 = 0 - 5 V	
4 = 0 - 10 V	

Due to continuous development of our products technical information's are subject to change. Please ensure the compatibility between the measured medium and the contacting part of the product when placing an order.

IP SPL reserves the right to make any change in this datasheet without notice. The information provided is believed to be accurate and reliable as of this product sheet.
Contact factory for custom configurations not shown



Industrix Precise Solutions Private Limited

Room No – 303, Bhumika Residency, Plot No-21, Sector-20, Roadpali, Kalamboli, Panvel (Tal.), Raigad (Dist.), Maharashtra, India – 410218.
 Mobile: +91 99309 98399 / +91 99674 97447
 E-mail: admin@ipspl.in / sales@ipspl.in Website: www.ipspl.in
 CIN : U52399MH2021PTC368555