FP1124-3 HT Pressure Transducer

- **Easy installation**
- **Built-in amplifier**
- **With bleeder screw**
- **Rugged construction**
- **High temperature**

DESCRIPTION

The FP1124-3 HT Series of pressure transducers is designed specifically to measure pressure on the brake circuit, including ABS brake systems.

With its rugged design and excellent thermal characteristics, the FP1124-3 is built to withstand high temperatures to fit most brake test applications. Additional IP67 protection and a bleeder screw ensure ease of use and long life even under severe environmental conditions. The sensor can be powered by a car battery and delivers direct high-level 0.5 to 5.5 Vdc output signal.

Measurement Specialties, Inc. have many years of experience as a designer and manufacturer of sensing solutions to the automotive industry and can supply standard or custom sensors for specific uses and testing environments.

Consult Measurement Specialties, Inc. Engineering Department for a custom solution to your application.

FEATURES

- Heavy duty design
- Stainless steel
- Protection IP 67

APPLICATIONS

- On-board equipment
- Endurance test benches
- Breaking system laboratory research

STANDARD RANGES

Range in bar	30	100	200	350

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PERFORMANCE SPECIFICATIONS

All values are typical at temperature 20±1° C

Parameters	
Operating Temperature Range (OTR)	-20 to 130° C [-4 to 266° F]
Compensated Temperature Range (CTR)	-20 to 120° C [-4 to 248° F]
Zero Shift in CTR	<2%. / 50° C [100° F]
Sensitivity Shift in CTR	<2% / 50 °C [100° F]
Range (F.S.)	30, 100, 200 and 350 bar
Over-Range	
Without Damage	1.5 x F.S
Without Destruction	3 x F.S.
Accuracy	
Combined Non-Linearity & Hysteresis	≤±0.3% F.S.

Electrical Characteristics

Model	FP1124-3 HT
Supply Voltage	10 – 36Vdc
F.S. Output 10 bar model	5V ±5% F.S.
Zero Offset	0.5V ±5% F.S.
Input Impedance/Consumption	<50mA
Output Impedance	<10Ω
Insulation under 50Vdc	≥100 MΩ

Notes

1. Electrical Termination: 2m Shielded Cable
2. Material: Stainless steel
3. Protection Index: IP67

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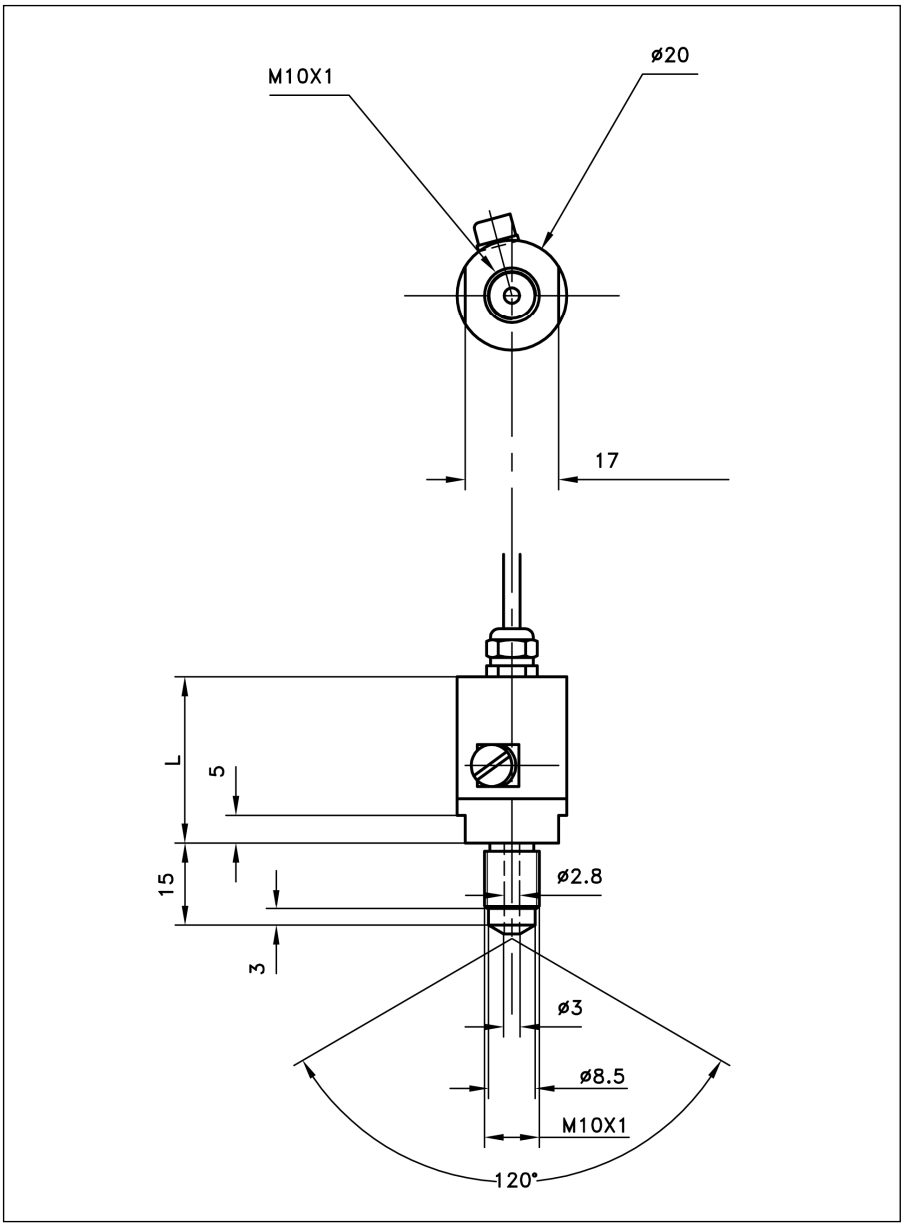
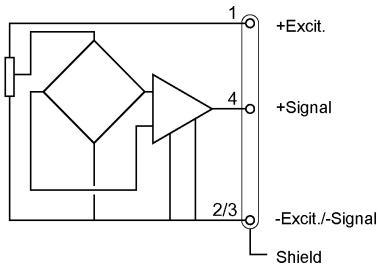
DIMENSIONS & WIRING SCHEMATIC (IN METRIC AND IMPERIAL)



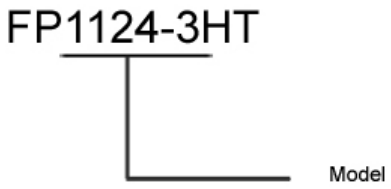
Dimensions in mm

Wiring Schematic

FP1124-3 HT



ORDERING INFO



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