

SYP-15 Series

Universal Pressure sensor



FEATURES

- SENT Output
- Gauge Pressure
- ± 1.5 %FS Tolerance
- Reliable in Harsh media
- Fully Compensated

APPLICATIONS

Automotive

- Fuel system
- Automotive HVAC
- Thermal management

Industrial

- HVAC
- Thermal management
- Hydraulic system

PRODUCT SUMMARY

The **SYP-15** is a fully compensated pressure sensor based on MEMS piezoresistive element and ASIC. The Pressure sensor has excellent tolerance of ± 1.5 %FS in the temperature range of -40 °C to 130 °C. The **SYP-15** can be universally used in industrial and automotive solutions in the low-pressure range from 0 to 15 bar, and It guarantees reliable operation in harsh media such as fuels, oils, and refrigerants. The **SYP-15 series** has options such as pin terminals and entry caps that can be adapted to customer applications.

SENSOR PERFORMANCE

Pressure

Detection range	0 ~ 15 bar
Tolerance	± 1.5 %FS
Proof Pressure	22.5 bar
Burst Pressure	37.5 bar

Electrical specification

Supply voltage	5 ± 0.25 V
Current consumption	10 mA
Over Voltage Protection	+ 18 V
Reverse Polarity Protection	- 18 V

Environmental conditions

Operation Temperature	-40 °C ~ 130 °C
Storage Temperature	-40 °C ~ 130 °C
Size (mm)	W16.9×D11.2 ×H7.3