

iBar 10X-TP

Temperature and pressure integrated transmitter

Description:

iBar 10X-TP temperature and pressure integrated transmitter adopts built-in temperature and pressure sensitive element. Rational assembly process and strict product quality standards ensure the quality and performance of this product, which is widely used in scientific research, military industry, petrochemical, electric power, metallurgical machinery, food, pharma and environmental protection. Such as oil well temperature and pressure measurement, diesel engine common rail temperature and pressure measurement, injection molding machinery temperature and pressure measurement, dryer etc.

Benefits:

- ⊙ Simultaneous monitoring of temperature and pressure
- ⊙ Wide measurement range and wide temperature range
- ⊙ High comprehensive precision, good long-term stability

Applications:

- ⊙ Mechanical engineering application
- ⊙ Hydraulic and pneumatic system
- ⊙ Petroleum, chemical industry
- ⊙ Metallurgy and environmental protection, food & pharma

Performance Parameter

Measuring Range	-0.1-0-60MPa (optional)	Load capacity	Current type: $R=(\text{supply voltage}-8V)/0.02$
Working Temperature	-20°C-100°C	Temperature compensation	0-85°C
Graduation number	PT100	Stored temperature	-20-85°C
Accuracy	0.25%FS, 0.5%FS	Safe overload	150%
Output	4-20mA, 0/1-5/10V, 0.5-4.5V, PT10	Limit overload	200%
Power Supply	0 +5VDC, +12VDC, +24VDC	Temperature drift	0.02%FS/°C
Process connection	G1/4, G1/2, 1/2NPT, M20*1.5 (Can be customized)	Long term stability	0.2%FS/year

Size and Outline

