APS400

DESCRIPTION

The APS400 is a silicon piezo-resistive permanent down hole gauge that monitors temperature and pressure. Proprietary technology is used to digitize the pressure and temperature readings and transmits them to the surface via a digital telemetry link. The fully welded assembly has a redundant seal at the TEC cable head. The TEC cable heads are 0.125" or 0.250" and the base fittings are either 0.25" FNPT, 0.25" MNPT or Autoclave F250C/F375C.

FEATURES

- 0-150°C Operating Temperature
- 3.3V/5V Power Supply
- Multiple End Coupling Options
- Hybrid Electronics
- PT100 RTD Temperature Sensor
- 3 Pressure Ranges

Specifications

Operating Temperature Range	25°C to 150°C
Maximum Temperature	175°C
Temperature Accuracy	± 0.5°C
Temperature Resolution	<0.005°C
Temperature Drift	<0.1°C
Pressure Range	3K, 6K, 10K PSIA
Pressure Accuracy	0.1% Full Scale
Pressure Resolution	0.1% Full Scale (3K PSIA)
Pressure Drift	<0.1% Full Scale Per Year
Diameter	0.75"
Length	17"
Material	Stainless 316L, Duplex 2205, Inconel 718
TEC Configuration	0.125" or 0.25" TEC
Port Configuration	0.25" FNPT, 0.25" MNPT, Autoclave F250C or F375C

Ordering Guide

Pressure PSIA		3,000	6,000	10,000
.125" TEC	.250" FNPT	400*-3K-1TFNPT	400*-6K_1TFNPT	400*-10K_1TFNPT
	.250" MNPT	400*-3K-1TMNPT	400*-6K_1TMNPT	400*-10K_1TMNPT
	Autoclave F250C	400*-3K-1TF250C	400*-6K_1TF250C	400*-10K_1TF250C
	Autoclave F375C	400*-3K-1TF375C	400*-6K_1TF375C	400*-10K_1TF375C
.250" TEC	.250" FNPT	400*-3K-2TFNPT	400*-6K_2TFNPT	400*-10K_2TFNPT
	.250" MNPT	400*-3K-2TMNPT	400*-6K_2TMNPT	400*-10K_2TMNPT
	Autoclave F250C	400*-3K-2TF250C	400*-6K_2TF250C	400*-10K_2TF250C
	Autoclave F375C	400*-3K-2TF375C	400*-6K_2TF375C	400*-10K_2TF375C

* S = 316L Stainless D = 2205 Duplex I = Inconel 718