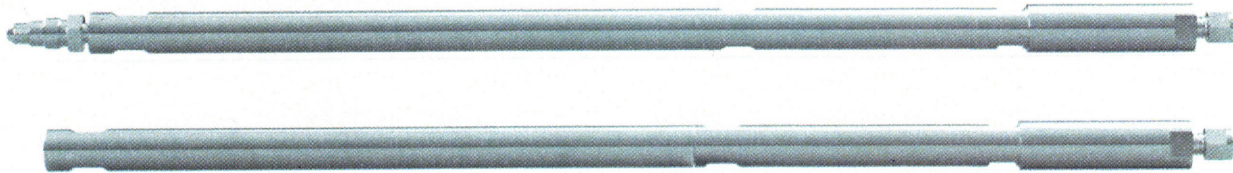


Permanent Downhole Gauge

Single Port Piezo, Opt. 3-Axis Accelerometer

APS400



DESCRIPTION

The APS400 is a single port silicon piezo-resistive permanent down hole gauge that monitors temperature and pressure. . The optional accelerometer measures 3 axis vibration. Proprietary technology is used to digitize the pressure and temperature readings and transmits them to the ASR200/ASR420 surface readouts. The fully assembled APS400 with the Kemlon Cover and the TEC support cable provide a dual seal at the TEC cable head. The TEC cable head options are 1/8", 1/4" or 4mm OD and the base fittings are either 1/8" FNPT or compression F375CX.

FEATURES

- 0-150°C Operating Temperature
- Calibrated Over Operating Temperature Range
- Multiple Cable Head Coupling Options
- Hybrid Electronics
- PT100 RTD Temperature Sensor
- Optional 3-Axis Accelerometer
- 1 Pressure Port
- 3 Pressure Ranges
- 4 readings per second

Specifications

Operating Temperature Range	0°C to 150°C
Maximum Temperature	175°C
Temperature Accuracy	± 1.0°C
Temperature Resolution	0.006°C
Temperature Drift	<0.5°C
Pressure Range	1K, 6K, 10K PSIA
Pressure Accuracy	±0.2% Full Scale
Pressure Resolution	0.18 PSI
Pressure Drift	<0.15% Full Scale Per Year
Accelerometer	X,Y,Z Axis +/- 10G 51,200 Counts per G
Length, Diameter	21", 0.750"
Material	Stainless 316L, Duplex 2205, Inconel 718
TEC Configuration	1/8", 1/4" or 4mm OD
Port Configuration	1/8" FNPT or Autoclave F375CX

Ordering Guide

Pressure	Temperature	Material		
		316 SS	2205 Duplex	Inconel
1,000 PSIA	150°C	400-01K-SS-X-Y-Z	400-01K-2205-X-Y-Z	400-01K-INL-X-Y-Z
6,000 PSIA		400-06K-SS-X-Y-Z	400-06K-2205-X-Y-Z	400-06K-INL-X-Y-Z
10,000 PSIA		400-10K-SS-X-Y-Z	400-10K-2205-X-Y-Z	400-10K-INL-X-Y-Z

X - Pressure Fittings: 1 = F375CX, 2 = FNPT
 Y - Cable Connection: 1 = 1/8", 2 = 1/4", 3 = 4 mm
 Z - Accelerometer: 1 = No, 2 = Yes