



## 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" or 1/4" FNPT or compression F375C.

## 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
Port Configuration	1/8" FNPT, 1/4" FNPT or Autoclave F375CX

## Ordering Guide

Pressure	Temperature	Material		
		316 SS	2205 Duplex	Inconel 718
1,000 PSIA	150°C	400-01K-S-X-Y	400-01K-D-X-Y	400-01K-I-X-Y
6,000 PSIA		400-06K-S-X-Y	400-06K-D-X-Y	400-06K-I-X-Y
10,000 PSIA		400-10K-S-X-Y	400-10K-D-X-Y	400-10K-I-X-Y

X - Pressure Fittings: 1 = F375C, 2 = 1/8" FNPT, 3 = 1/4" FNPT

Y - Accelerometer: 1 = No, 2 = Yes