



OVERVIEW

With advanced microprocessor technology and state-of-the-art silicon pressure sensors, 160 series Pressure Module provides an accurate, reliable, and economic solution for wide range of pressure applications. It is loaded with functionality and remarkably easy to use. In order to reach the best performance, every silicon pressure sensor in the module has been specially aged, tested and screened before assembly. 160 is unmatched in performance and reliability.

FEATURES

- Gauge pressure measurement uncertainty of 0.025% FS
- Absolute Pressure measurement uncertainty of 0.1% FS
- Pressure ranges to 10,000 psi (700 bar)
- Advanced temperature compensation
- NIM traceable calibration (optional)

APPLICATIONS

160 series Pressure Modules (IDPM) are specially designed for CoMultifunction Process Calibrators

SPECIFICATIONS

- Pressure Ranges and Accuracy

Absolute Pressure					
P/N	Pressure Range (psi)	Pressure Range (bar)	Media	Accuracy (% FS)	Burst Pressure
AP15	15	1.0	G	0.1	3 X
AP30	30	2.0	G	0.1	3 X
AP50	50	3.5	G	0.1	3 X
AP100	100	7.0	G , L	0.1	3 X
AP300	300	20	G , L	0.1	3 X
AP500	500	35	G , L	0.1	3 X
AP1K	1000	70	G , L	0.1	3 X
AP3K	3000	200	G , L	0.1	3 X
AP5K	5000	350	G , L	0.1	3 X

- Pressure Ranges and Accuracy

Gauge Pressure ^[1]					
P/N	Pressure Range (psi)	Pressure Range (bar)	Media ^[2]	Accuracy (% FS)	Burst Pressure
V15	-15	-1.0	G	0.025	3 X
GP15	15	1.0	G	0.025	3 X
GP30	30	2.0	G	0.025	3 X
GP50	50	3.5	G , L	0.025	3 X
GP100	100	7.0	G , L	0.025	3 X
GP300	300	20	G , L	0.025	3 X
GP500	500	35	G , L	0.025	3 X
GP1K	1000	70	G , L	0.025	3 X
GP3K	3000	200	G , L	0.025	3 X
GP5K	5000	350	G , L	0.025	3 X
GP10K	10000	700	G , L	0.025	2 X

Note:

[1]. Sealed gauge pressure for above 1000 psi

[2]. G=Gas, L=Liquid

> Gauge Types

- Gauge pressure
- Absolute pressure

> Environmental

Compensated Temperature: 14° F to 122° F (-10° C to 50° C)

Operating Temperature*: 14° F to 122° F (-10° C to 50° C)
*0.025%FS accuracy guaranteed only over the ambient temperature range of 68° F to 79° F (20° C to 26° C)

Storage Temperature: -4° F to 158° F (-20° C to 70° C)

Humidity: <95%

> Media Compatibility

(0-30) psi: Clean dry non-corrosive gases
(50-10,000) psi: media compatible with 316L SS

> Pressure Connections: 1/4" NPT

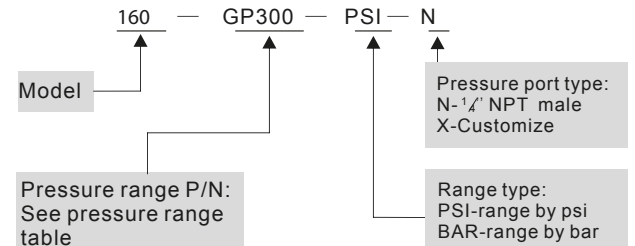
> Enclosure

Case material: SST
Wetted parts: 316L SS
Dimension: 1.3" x 4.84" (33mm x 123mm)

> Weight: 0.99 lb (0.4kg)

ORDERING INFORMATION

Model Number



Optional Accessories:

Model Number	Description
9060	Pressure module connection cable
9100-160	NIM traceable calibration certificate for 160 series Pressure module