

ADT 160 Intelligent Digital Pressure Modules



OVERVIEW

With advanced microprocessor technology and state-of-the-art silicon pressure sensors, the ADT 160 series Intelligent Digital Pressure Module (IDPM) 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. Designed as external pressure module for ADT 761 automated pressure calibrator and ADT222A/ADT223A process calibrator. The ADT160 IDPM is unmatched in performance and reliability.

FEATURES

- Gauge pressure measurement accuracy of 0.025% FS
Absolute Pressure measurement accuracy of 0.1% FS
- Pressure ranges to 10,000 psi (700 bar)
- Advanced temperature compensation
- NIST traceable calibration and data included



- Pressure measurement accuracy of 0.025% FS
- Pressure ranges to 10,000 psi (700 bar)
- Fully temperature compensated accuracy

SPECIFICATIONS

■ Gauge types

Gauge pressure Compound pressure Absolute pressure

■ 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

Compound Pressure					
P/N	Pressure Range (psi)	Pressure Range (bar)	Media	Accuracy (% FS)	Burst Pressure
CP2	±2	±0.16	G	0.025	3X
CP5	±5	±0.35	G	0.025	3X
CP10	±10	±0.7	G	0.025	3X
CP15	±15	±1	G	0.025	3X
CP30	-15 to 30	-1 to 2	G	0.025	3X

Note:

[1]. Sealed gauge pressure for above 1000 psi

[2]. G=Gas, L=Liquid

SPECIFICATIONS

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

■ 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 male, 1/4" BSP male, M20X1.5 male

Other Connections available per request

■ Enclosure

Case material: SST

Wetted parts: 316L SS

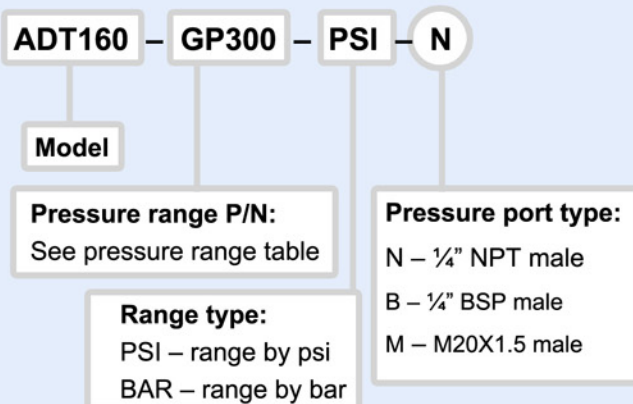
Dimension: Ø1.3" x 4.84" (Ø33mm x 123mm)

Weight: 0.99 lb (0.4kg)

■ Warranty: 1 Year

ORDERING INFORMATION

■ Model Number



■ Accessories(included):

NIST Traceable Calibration Certificate

■ Optional Accessories

Model number	Description	Picture
9060	Pressure module connection cable	