

691201 / 691204 SERIES PRESSURE TRANSDUCERS

FEATURES:

- Gauge, vacuum and compound ranges through 0 psig to 2,000 psig (other ranges on request)
- For static and dynamic load measurements
- No internal sealing elements
- Stainless steel wetted parts
- Piezoresistive silicon chip
- Compact size
- CE compliant

APPLICATIONS:

- Engines and turbines
- Pumps and compressors
- Hydraulics and pneumatics
- Transportation

Current Altronic Part No.	Max. Pressure
691201-100-ST8	100 PSIG
691201-300-ST8	300 PSIG
691201-500-ST8	500 PSIG
691201-1000-ST8	1000 PSIG
691201-2000-ST8	2000 PSIG
691204-50-ST8	50 PSIA
691204-100-ST8	100 PSIA
691204-300-ST8	300 PSIA

Above models include built-in dampening orifice.



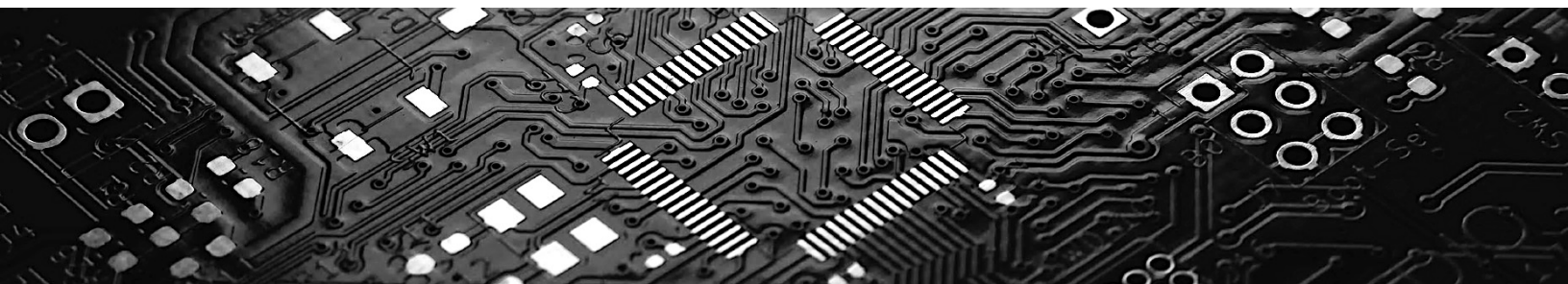
Legacy models listed below are available until current inventory is depleted. These do not have the built-in dampening orifice.

691201-X Models: PSIG

X = 50, 100, 300, 500, 1000, 1500, 2000, 3000, 5000

691204-X Models: PSIA

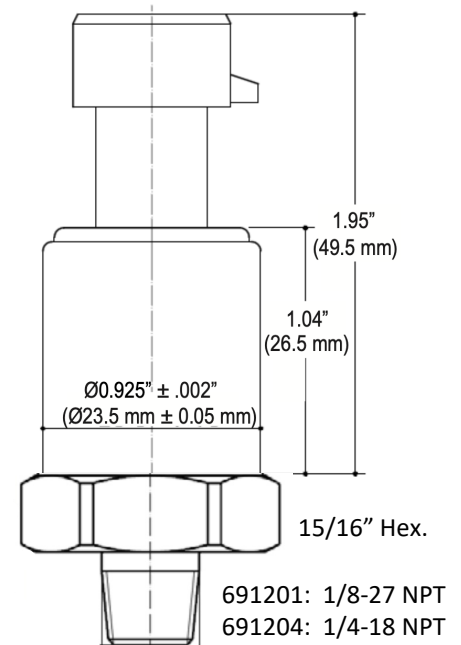
X = 15, 30, 50, 100, 300



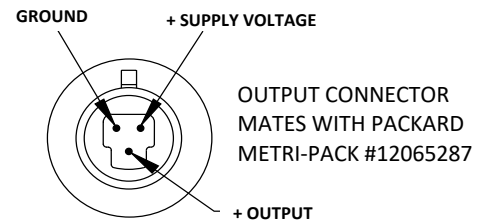
Specifications:

Output Signals	0.5Vdc to 4.5 Vdc 3-wire (ratiometric)
Pressure Ranges	Gauge, vacuum and compound ranges 0 psig to 2,000 psig – consult factory for other ranges
Accuracy	+/-0.5% full scale (BFSL) (IEC 61298-2)
Response Time	< 1 msec
Service Life	> 1,000,000 load cycles
Temperature Ranges	Media -22°F to 221°F, -30°C to 105°C Ambient -4°F to 185°F, -20°C to 85°C Storage -40°F to 257°F, -40°C to 125°C
Power Requirement	5 Vdc +/- 10% (0.5 Vdc to 4.5 Vdc ratiometric, 3-wire)
Proof Pressure	> 2,000 psi: 1.2 times full scale < 2,000 psi: 2.0 times full scale
Measuring Element	316 Stainless Steel
Connection	304 Stainless Steel
Housing Material	304 Stainless Steel
Environmental Rating	IP67
Electromagnetic Rating	Immunity: IEC 61000-6-2 Radiation: IEC 61000-6-3
Electrical Protection	Reverse polarity and short circuit protection
Shock Resistance	Shock: 200g/1ms; IEC 60068-2-27 Free fall: 1m; IEC 60068-2-32
Vibration Resistance	Sine curve, 20g, 25Hz-2kHz; IEC 60068-2-6 Random, 7.5g, 5Hz; IEC 60068-2-64
Weight	Approximately 3.4 oz.

Dimensions:



Connector:



Altronic Cables:

Part No.	Length
693008-5	5 ft.
693008-10	10 ft.
693008-15	15 ft.
693008-25	25 ft.
693008-50	50 ft.

ALTRONIC

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