

ARTISAN®
TECHNOLOGY GROUP

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Artisan Technology Group
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so your equipment works exactly as you specify.

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Expert team | Trust guarantee | 100% satisfaction

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PX94 SERIES CORROSION RESISTANT PRESSURE TRANSDUCERS

GENERAL DESCRIPTION

The OMEGA® PX94 Series Sensors are media compatible, solid-state piezoresistive pressure sensors with a 1-6 Vdc output span. The 0-5 psi to 0-100 psi models are for use with corrosive or conductive fluid or gaseous media where high level voltage output must be integral to the package. The 0-300 psi to 0-5000 psi models are for use in harsh environments and high pressure applications where a high level voltage output is required.

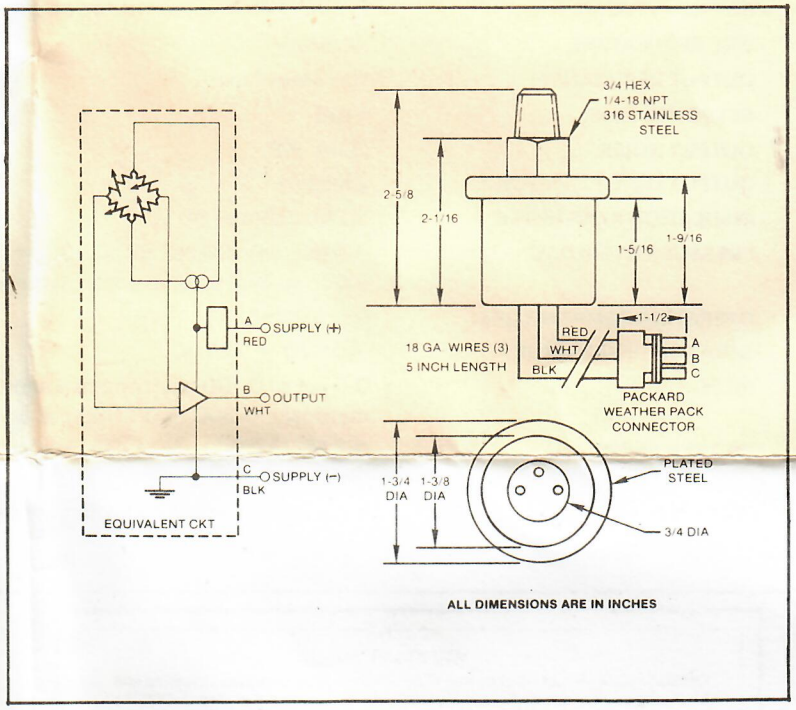
The 0-5 psi to 0-100 psi models have a silicon diaphragm; the 0-300 psi to 0-5000 psi models have stainless steel diaphragms. The 0-300 psi to 0-5000 psi models utilize an oil column to couple a diffused, piezoresistive sensor to a convoluted, flush 316 stainless steel diaphragm that can be interfaced with most harsh media.

The sensor assembly and associated solid-state electronics are enclosed in a cylindrical casing with a ¼-18 NPT stainless steel pressure fitting.

Full calibration and temperature compensation is provided over 0° to 50°C, along with unit-to-unit interchangeability. A three-wire connector is included with color-coded, 18 gage wire.

The PX94 Series Sensors are available in either gage pressure ranges from 0-5 psi to 0-300 psi and in both sealed gage and absolute pressure ranges from 0-300 psi to 0-5000 psi. Each sensor is individually serialized.

CONNECTIONS/DIMENSIONS



FEATURES

- 1-6 Vdc Output
- Solid-State Reliability
- Iso-Pressure Structure 0-300 PSI and Above
- Fully Calibrated
- Temperature Compensated Over 0° to 50°C
- ±0.25% Accuracy 0-100 PSI and Below
- ±0.5% Accuracy 0-300 PSI and Above
- Internal Voltage Regulation
- Reverse Voltage Protection

TYPICAL APPLICATIONS

- Hydraulic Controls
- Pneumatics Controls
- Robotics
- Water Management
- Air Conditioning
- Refrigeration
- Process Control
- Machine Tools
- Environmental Control
- Agricultural Sprayers
- Compressors

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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