

### \$550 Model Shown

### PX6000 Series 4-20mA Output

0-15 to 0-300 psi 0-1 to 0-20 bar

1 bar = 14.5 psi  $1 \text{ kg/cm}^2 = 14.22 \text{ psi}$ 1 Ătmosphere = 14.7 psi = 29.93 in-Hg = 760.2 mm-Hg = 1.014 bar

- High Reliability
- Long Term Stability
- All Stainless Steel Case
- Vacuum Range Available

### Applications

- Automotive Test
- Research & Development
- **Engineering Test & Evaluation**
- Production Testing
- Flight Recorders
- Engine Monitoring
- Ground Support Equipment
- Built-In Temperature Sensor



OMEGADYNE<sup>™</sup> FAX OMEGADYNE's 24-Hour **On-Line Publishing Service** 1-800-344-3963 1-800-DiG-DYNE Document # 3690

OMEGADYNE, Inc. 149 Stelzer Court, Sunbury, OH 43074 http://www.omegadyne.com e-mail: info@omegadyne.com THI Formerly THI T-HYDRONICS, INC.

© COPYRIGHT 1996 OMEGADYNE, INC. ALL RIGHTS RESERVED.



Interchangeable with CEC Model 6000-xxxx

SPEC SHEET PX6000-I

# **Diffused Semiconductor Pressure Transmitter**



The OMEGADYNE™ PX6000 Series pressure transducers fit easily into your application. These low cost transducers are small and light, and mounting requires no bulky structures. You select from three electrical terminations and six pressure fittings. The sensor is a small (about 0.1") square silicon chip with four diffused strain gages, mounted in the stainless steel case. Laser trimmed resistors provide temperature compensation and adjust zero balance and span. The 4-20 mA output easily interfaces with most control and data acquisition systems.

The PX6000 uses solid state media isolation for improved reliability. Thin films of chemically inert materials are deposited or grown on the chip surface to provide electrical isolation between the sensor and pressure medium. The sensor is less sensitive to vibration and more dependable in high shock environments because the films add no significant mass. Corrosion resistance is outstanding, and the isolation will remain effective because there is no gel or oil columns to deteriorate.

#### 🗭 Most Popular Models Highlighted 🗲

Prices Shown in U.S. Dollars

IO Urder: (Specify Model Number) Models with4-20mA Output, MS33656-4 Pressure Connection, Integral Connector			
Vacuum			
30-0 (in-Hg)	PX6000L1-30VACI	\$550	INFP, INFCP, IDP
Absolute Pres	ssure:		
0-15	PX6000L1-015AI	550	INFP, INFCP, IDP
0-20	PX6000L1-020AI	550	INFP, INFCP, IDP
0-50	PX6000L1-050AI	550	INFP, INFCP, IDP
0-100	PX6000L1-100AI	550	INFP, INFCP, IDP
0-200	PX6000L1-200AI	550	INFP, INFCP, IDP
0-300	PX6000L1-300AI	550	INFP, INFCP, IDP
Gage Pressur	re:		
0-15	PX6000L1-015GI	550	INFP, INFCP, IDP
0-20	PX6000L1-020GI	550	INFP, INFCP, IDP
0-50	PX6000L1-050GI	550	INFP, INFCP, IDP
0-100	PX6000L1-100GI	550	INFP, INFCP, IDP
0-200	PX6000L1-200GI	550	INFP, INFCP, IDP
0-300	PX6000L1-300GI	550	INFP. INFCP. IDP

Interchangeable with CEC Model 6020-xxxx Metric Ranges Available - Consult Engineering Ordering Examples: 1.) PX6000L1-050GI is a 50 psi Gage Pressure transducer with 4-20 mA output, PT1H-10-6P electrical connection and MS33656-4 Male Pressure Port, **\$550** ea. Mating Connector (not included) **PTS06A-10-6S**, **\$47** ea. **2.) PX6000L1-015AI** is a 15 psi Absolute Pressure transducer with 4-20 mA output, PT1H-10-6P electrical connection and MS33656-4 Male Pressure Port, **\$550** ea. Mating Connector (not included) **PTS06A-10-6S**, **\$47** ea. Printed On Recycled Paper



- Select Output
  - 6. Select Options and Agency Approvals

4-pin connector

Interchangeable with CEC Model 6020-xxxx Ordering Examples: 1.) PX6000M1-100GI is a 100 psi Vented Gage pressure transducer with an MS33649-4 female pressure connection, a PT1H-10-6P Electrical Connector and 4-20 mA output, \$550. Mating Connector (not included) PTS06A-10-6S, \$47.00. 2.) PX6000A0-30VACV-25FT is a 30 to 0 in-Hg Vacuum transducer with a ½-27 NPT male pressure connection, a reverse acting (30in\_Hg Vacuum = Full Scale Output) mV/V output, and a 25 ft cable, \$420 + 46 = \$466 3.) PX6000L1-015A5T is a 15 psi Absolute Pressure transducer with an MS33656-4 male pressure connection, a PT1H-10-6P Electrical Connector and to 5 V/do output, 8560 Mating Connector (NO PTS06A-10-6S, \$47.00) 2.) PX6000L1-015A5T is a 15 psi Absolute Pressure transducer with an MS33656-4 male pressure connection, a PT1H-10-6P Electrical Connector and to 5 V/do output, 8560 Mating Connector (NO PTS06A-10-6S, \$47.00) 2.) PX6000L1-015A5T is a 15 psi Absolute Pressure transducer with an MS33656-4 male pressure connection, a PT1H-10-6P Electrical Connector and to 5 V/do output, 8560 Mating Connector (NO PTS06A-10-6S, \$47.00)

Connector and 0 to 5 Vdc output, \$560. Mating Connector (not included) PTS06A-10-6S, \$47.00.

# SPECIFICATIONS:

## Compensated Temp Range:

Span:  $\leq \pm 0.02\%$  of FSO/°F. Zero:  $\leq \pm 0.02\%$  of FSO/°F.

sinusoidal vibration from 10 Hz to 2000 Hz (½" D.A.), the output shall not exceed 0.04% FSO/g for 15 PSI range to

Shock: 100g, 11 milliseconds half sine

200 psi, or 2.5 times rated pressure for pressure ranges above 200 psi will not

(standard) Optional: 2 ft (0.6m) cable or 4-pin solder terminal header

Optional: MS33649-4 Female, ¼-18 or

