

# **NEW** STAINLESS STEEL PRESSURE TRANSMITTER

- **0.5% accuracy**
- **two wire 4...20mA**
- **high vibration resistance**
- **robust design**
- **ammonia and freon versions**



**P  
R  
E  
S  
S  
U  
R  
E**

## MODEL PX61

Pressure transmitters determine the pressures in liquids and gases and convert these pressures to an electrical signal. The PX61 features compact construction, an integral amplifier, large output signal and extensive medium compatibility. For use with ammonia or freon in refrigeration applications specify the -A for ammonia or -F for freon option. The design provides a 1/2% accurate, economical transmitter that can operate accurately over a wide temperature range with corrosion resistance.

## OPERATION

The ceramic diaphragm sensing element deflects under pressure. The mechanical deformation is converted to an electrical signal by means of a DMS-bridge. An electronic system converts the DMS-signals to a standard 4-20 mA signal.

## TECHNICAL DATA

### Wetted parts / Case

Stainless steel & Viton / stainless steel & polycarbonate

### Ambient/Medium temperature

0...+60°C / 0...+85°C

### Pressure Connection

1/4" NPT

### Supply Voltage

24 V DC +/- 10%

### Output

2-wire 4 to 20 mA, max load = 450 Ohms

### Accuracy

0.5% using the bfls method

### Errors

load - < 0.15%, ambient temperature - 0.05%/deg C

### Hysteresis

0.2% max, (linear characteristic)

### Overload limit

200% full scale

### Enclosure

IP65 (NEMA 4)

### Response time

10 msec

### Operating position

unrestricted

## ORDERING DATA

| RANGES          | ORDER #   |
|-----------------|-----------|
| -30" Hg...15psi | PX61-3015 |
| 0...30psi       | PX61-30   |
| 0...60psi       | PX61-60   |
| 0...100psi      | PX61-100  |
| 0...160psi      | PX61-160  |
| 0...250psi      | PX61-250  |
| 0...500psi      | PX61-500  |

### For refrigeration applications

add -A for ammonia or -F for freon to the part number

**ENERCORP** instruments Ltd

25 Shorncliffe Rd, Toronto, ON, M9B 3S4 Tel 1(800)ENERCORP or (416)231-5335 Fax 1(877)ENERCORP or (416)231-7662  
Visit our on-line catalogue at [www.enercorp.com](http://www.enercorp.com) our e-mail address is [info@enercorp.com](mailto:info@enercorp.com)