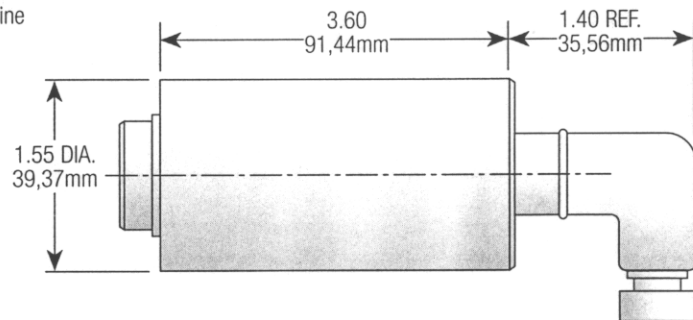


# Model 433 Pressure Transducer

## STANDARD SPECIFICATIONS

|  |  |
|--|--|
| <b>Pressure Media</b> .....              | Fluids or gases compatible with 17-4 SST and 316 SST   |
| <b>Case Material</b> .....               | Stainless Steel  |
| <b>Supply Voltage</b> .....              | 8-36 Vdc   |
| <b>Output</b> .....                      | 0-5 Vdc  |
| <b>Zero, Span</b> .....                  | Site adjustable by potentiometers  |
| <b>Insulation Resistance</b> .....       | 100 megohms at 50 Vdc  |
| <b>Accuracy % of FSO</b> .....           | 0.25% (Typically 0.15%)<br>(to include the effects of linearity, hysteresis and non-repeatability on a best fit straight line basis) |
| <b>Operating Temperature Range</b> ..... | -30° F to +170° F (-34° C to +77° C)   |
| <b>Compensated Temperature Range</b> ..  | 0° F to +130° F (-18° C to +54° C)   |
| <b>Thermal Zero Error</b> .....          | .01% per °F  |
| <b>Thermal FSO Error</b> .....           | .01% per °F  |
| <b>Proof Pressure</b> .....              | 2 times range, 200 psi minimum   |
| <b>Burst Pressure</b> .....              | 3 times range, 300 psi min., 50,000 max.   |

|                                 |  |
|---------------------------------|--|
| <b>Pressure Fitting</b> .....   | Less than or equal to 10,000 psi: 1/4" NPT Female<br>Greater than 10,000 psi: Compatible with AE F250-C. |
| <b>Electrical Fitting</b> ..... | Din 43650 Form C<br>WIRING: Pin 1. +Excitation<br>Pin 2. Common<br>Pin 3. Signal                         |
| <b>Weight</b> .....             | Approximately 12 ounces  |



## HOW TO ORDER

All 12 spaces must be used.

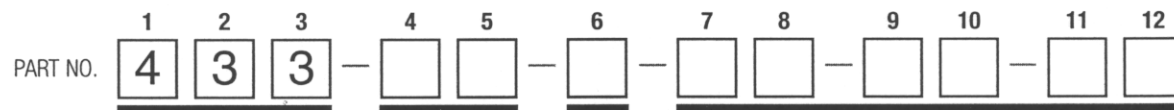
**Spaces 1-3** Specify model number.  
**Spaces 4 and 5** Choose pressure range. If non-standard range, pick the closest range above the special.

Notes: 1) Option "OF" must be used.  
2) See conversion factors below.

**Space 6** Specify pressure format (PSIS Standard).

**Spaces 7-12** Specify options in the order that they appear.

Notes on Options: 1) Place the code AA in unused option spaces.  
2) Consult factory for more than 3 options.



MODEL NO. 433

### Options

#### CONVERSION FACTORS

Multiply Bar by 14.505 to get PSI  
Multiply kPa by .145 to get PSI

#### PRESSURE RANGES (PSI)

|             |              |
|-------------|--------------|
| BJ: 0-50    | BU: 0-1500   |
| *BL: 0-100  | BV: 0-2000   |
| BM: 0-150   | BW: 0-2500   |
| BN: 0-200   | BX: 0-3000   |
| BP: 0-300   | BZ: 0-5000   |
| *BR: 0-500  | CC: 0-7500   |
| BS: 0-750   | CD: 0-10,000 |
| *BT: 0-1000 | CE: 0-15,000 |
|             | CF: 0-20,000 |

\*available from stock

#### PRESSURE FORMAT

- 1: PSIG
- 2: PSIS
- 3: PSIA

#### NO OPTIONS

AA: None

#### ELECTRICAL CONNECTIONS

- EA: PT06E-10-6P
- EI: Minni-Mac Type
- EM: Cable Exit

#### PERFORMANCE OPTIONS

- OA: Improved Accuracy
- OB: Improved Temp
- OD: Internal Cal. Shunt
- OF: Special Pressure Range (Please specify range & unit of measure)
- OG: Special Calibration
- OI: Special Temp Range

#### PRESSURE PORT ADAPTERS

- PD: 1/4" NPT Male
- PG: 7/16" - 20 UNC External