



## High Accuracy Pressure Transmitter

±0.05% FS, <±0.25% FS Total Error Band

## Models Select Chart

|                              |     |        |        |  |        |   |
|------------------------------|-----|--------|--------|--|--------|---|
| <b>EXAMPLE</b>               | 644 | L      | V      | 01   | P      | <b>Series 644-L-V-00-P Industrial Pressure Transmitter, 3 ft. cable, 0-10 V output, range 0 to -14.7 psig, with 1/4" male NPT connection.</b>                         |
| <b>SERIES</b>                | 644 |        |        |  |        | Industrial Pressure Transmitter   |
| <b>ELECTRICAL CONNECTION</b> |     | L<br>B |        |  |        | Flying Leads, 3 ft., 6-Conductor Cable Pigtail<br>Male 6-Pin Bayonet  |
| <b>SIGNAL OUTPUT</b>         |     |        | V<br>C |  |        | 0-10 Volts<br>4-20 mA   |
| <b>RANGE</b>                 |     |        |        | 00<br>01<br>02<br>03<br>04<br>05<br>06<br>07<br>08<br>09<br>10<br>11 |        | 0-(-14.7) psig<br>0-15 psig<br>0-25 psig<br>0-50 psig<br>0-100 psig<br>0-150 psig<br>0-200 psig<br>0-300 psig<br>0-500 psig<br>0-750 psig<br>0-1000 psig<br>0-15 psia |
| <b>PROCESS CONNECTION</b>    |     |        |        |  | P<br>S | 1/4" Male NPT<br>7/16"-20 SAE Male  |

## Accessories

| Model | Description                          |
|-------|--------------------------------------|
| A-495 | 6-pin female bayonet male connector. |
|       |                                      |

| <b>Specifications:-</b>                                    |   |  |
|--|---|--|
| <b>Service</b>   | : | Compatible gases and liquids.  |
| <b>Wetted Materials</b>                                    | : | 17- 4 PH SS.   |
| <b>Accuracy</b>  | : | ±0.05% FS RSS.   |
| <b>Total Error Band<br/>(Includes all thermal effects)</b> | : | <±0.25% FS over entire temperature compensated range.  |
| <b>Stability</b>   | : | <0.15% FS/year.  |
| <b>Temperature Limits</b>                                  | : | -40 to 185°F (-40 to 85°C).  |
| <b>Pressure Limits</b>                                     | : | Proof pressure and burst pressure: See pressure limits table below.  |
| <b>Compensated Temperature Range</b>                       | : | -4 to 140°F (-20 to 60°C).   |
| <b>Power Requirements</b>                                  | : | 9 to 30 VDC for current output; 15 to 30 VDC for voltage output.   |
| <b>Minimum Supply Voltage</b>                              | : | Min. supply voltage (VDC) for current output = 9 + 0.02 x loop resistance $\Omega$ (loop resistance $\Omega$ = line resistance + receiver resistance). |
| <b>Output Signal</b>                                       | : | 0 to 10 VDC (4-wire); 4 to 20 mA (2-wire).   |
| <b>Response Time</b>                                       | : | <10 ms (voltage output), <80 ms (current output).  |
| <b>Max Current Consumption</b>                             | : | 4 to 20 mA: 22 mA; 0 to 10 VDC: 20 mA.   |
| <b>Electrical Connections</b>                              | : | 3 ft cable or 6-pin male bayonet connector.  |
| <b>Process Connection</b>                                  | : | 1/4" male NPT or 7/16"-20 male SAE with O-Ring.  |
| <b>Enclosure Rating</b>                                    | : | NEMA 4X (IP65).  |
| <b>Mounting Orientation</b>                                | : | Vertical.  |
| <b>Weight</b>  | : | 9 oz (254 g).  |
| <b>Agency Approval</b>                                     | : | CE.  |
|  |   |  |