**WIKAI**

**Tronic**

- 4-20 mA 2-wire output signal, 0-20 mA 3-wire available
- 4" diameter local readout with solid front for safety
- Available with alarm contacts and liquid filled case
- Can be mounted to chemical seals

The WIKA 891.34.500 local indicating pressure transmitter incorporates a dial gauge with a pressure transmitter to provide both local and remote pressure indication. The transmitter incorporates a Hall effect pressure sensor that measures the deflection of the bourdon tube and produces an output signal that is linear and proportional to the applied pressure.

The pressure gauge features a stainless steel case and wetted parts, solid front and blow-out back for user safety. Vacuum, compound, and gauge ranges are available up to 15,000 PSI. Extremely low pressures down to 0-15 INWC are available on special order.

### STANDARD RANGES

<table>
<thead>
<tr>
<th>Range</th>
<th>Pressure (psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-30 INHG</td>
<td>0-400</td>
</tr>
<tr>
<td>0-15 PSI</td>
<td>0-600</td>
</tr>
<tr>
<td>0-30 PSI</td>
<td>0-1000</td>
</tr>
<tr>
<td>0-60 PSI</td>
<td>0-1500</td>
</tr>
<tr>
<td>0-100 PSI</td>
<td>0-2000</td>
</tr>
<tr>
<td>0-160 PSI</td>
<td>0-5000</td>
</tr>
<tr>
<td>0-200 PSI</td>
<td>0-10,000</td>
</tr>
<tr>
<td>0-300 PSI</td>
<td>0-15,000</td>
</tr>
</tbody>
</table>

**Dimensions**

APE 891.34.500  
(APE 81.08)
Specifications

Input
10-30 VDC (12.5-28 VDC for EX version)

Output & load limitations
4-20 mA 2-wire  \( R_{\text{max}} = (V_{\text{in}} - 10\text{V})/0.02 \text{ A} \)

Overpressure safety
1.3X of maximum scale value

Accuracy
Linearity (B.F.S.L.) gauge signal \( \leq 1.0\% \leq 0.8\% \)
Hysteresis \( \leq 0.5\% \)
Response time \( \leq 50 \text{ ms} \)
Zero & span adjustment +/- 5.0% full scale

Temperature
Temperature compensated -12°F to 140°F
Media -12°F to 212°F
Ambient -4°F to 140°F

Temperature error (reference temperature 70°F)
On zero (% of span/18°F) \( \leq 0.3 \)
On span (% of span/18°F) \( \leq 0.3 \)

Process connection
1/2"NPT male

Electrical connection
Terminal box attached to case

Electrical protection
Protected against reverse polarity, short circuit, and suppressor diode for high voltage protection.

Material
Housing 304 ss, terminal box ABS plastic
Wetted parts 316 ss

Weight 1.8 lb (2.6 lb for EX version)
with liquid fill 3.3 lb (4.0 lb for EX version)

Model 892.34.500 EX Certification
EEX ia IIC T6

Conformity specifications
Power supply 12.5 to 28 VDC
Short circuit rating 100 mA
Rating 1000 mW
Medium and ambient temperature -4°F to 140°F

Wiring
Note: terminals 1 and 5 are bridged internally providing two terminals for the 0V / S- connection.

4-20 mA 2-wire

0-20 mA 3-wire

Calibration

Remove the screw plugs in the top of the case to access the zero and span adjustment potentiometers.

THE MEASURE OF Total Performance™

Ordering Information:
State computer part number (if available) / type number / range / output / process connection / electrical connection / other required options.

Specifications given in this data sheet represent the state of engineering at the time of printing. Modifications may take place and the specified materials may change without prior notice.

5/2000