MODEL 500 LOW-PROFILE TRANSDUCER

- OUTPUTS: 4-20 mADC (OPTIONAL 1-5 VDC, mV/V)
- STANDARD ACCURACY 0.25% BFSL
- UNPARALLELED LONG-TERM STABILITY
- RFI/EMI PROTECTION ON EVERY TRANSDUCER
- PRESSURE RANGES: 0-2.5 PSIG TO 0-10000 PSIG
- STAINLESS STEEL PRESSURE CONNECTION: ¼” MALE NPT OR SAE-4 MALE

PERFORMANCE @ 25°C (77°F)

ACCURACY: ± 0.25% BFSL TO 0.1% BFSL
STABILITY (2 YEAR) < ± 0.10% FS, TYPICAL
OVER PRESSURE PROTECTION: 2X RATED PRESSURE
BURST PRESSURE: 5X OR 20000 PSI (LESSER)
PRESSURE CYCLES: >50 MILLION
OPERATING TEMPERATURE: -40°C TO + 85°C
RESPONSE TIME: ≤ 5 ms TO 90%

ENVIRONMENTAL DATA

STORAGE TEMP: -50°C TO +125°C
COMPENSATED RANGE: 0°C TO 50°C
TEMP COMP ZERO: ≤ 1.0% FS
TEMP COMP SPAN: ≤ 1.0% FS

ELECTRICAL DATA EXCITATION:

9 – 36 VDC (4-20 mADC /1 – 5 VDC)
5 – 10 VDC (mV/V OUTPUT)
CURRENT CONSUMPTION: < 5 mA
ZERO OFFSET: < 0.25% OF FS
SPAN TOLERANCE: < 1.0% OF FS
OUTPUT LOAD: > 10K Ω
RANGE CAL SIGNAL: INTERNAL RESISTOR 100%

PHYSICAL DATA:

WETTED MATERIAL: 316 SS
BODY MATERIAL: 316 SS

ORDERING GUIDE: 500-A-(0-300PSI)-4-D-5-EC4

<table>
<thead>
<tr>
<th>A</th>
<th>(0-300)</th>
<th>4</th>
<th>D</th>
<th>5</th>
<th>EC4</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESSURE PORT</td>
<td>RANGE</td>
<td>TYPE</td>
<td>PRESSURE OUTPUT</td>
<td>ACCURACY (BFSL)</td>
<td>CONNECTOR²</td>
</tr>
<tr>
<td>A = ¼” MNPT</td>
<td>PSI</td>
<td>2 = GAUGE</td>
<td>D = 4-20 mA</td>
<td>5 = 0.5%</td>
<td>EC1 = 36” PIGTAIL ³</td>
</tr>
<tr>
<td>B = SAE-4 MALE</td>
<td>BAR</td>
<td>4 = SEALED</td>
<td>G = 1-5 VDC</td>
<td>25 = 0.25%</td>
<td>EC2 = LARGE DIN 43650, FORM A</td>
</tr>
<tr>
<td>C = OTHER</td>
<td>kPA</td>
<td>6 = OTHER</td>
<td>M = mV/V</td>
<td>1 = 0.1%</td>
<td>EC3 = MINI DIN 43650, FORM C</td>
</tr>
<tr>
<td>INCHES WC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EC4 = BENDIX PTIH-10-6P</td>
</tr>
<tr>
<td>TORR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ECT = TURCK M12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ECX = OTHER</td>
</tr>
</tbody>
</table>

¹OTHER RANGES AVAILABLE, CONSULT FACTORY
²CUSTOM PINOUTS/WIRING AVAILABLE, PLEASE SPECIFY UPON ORDER PLACEMENT
³PVC STANDARD CABLE JACKET-OTHERS AVAILABLE ON REQUEST