

Type T5500E Process Gauge with Output



FEATURES:

- *Integrated Pressure Transmitter*
- *Rugged Stainless Steel Construction*
- *Welded Socket and Case*
- *IP65 Protection*
- *4-20 mA Output*
- *Selection of Measurement Units (psi, bar, kilopascal)*

APPLICATIONS:

- *Power Plants*
- *Chemical Processing*
- *Refineries*
- *Pulp and Paper*
- *Food and Beverage*

The T5500E combines the operation of a process gauge and pressure transmitter while reducing the associated costs for two instruments. Offering polysilicon thin film technology, it can be integrated into safety and data acquisition systems. An all stainless steel design provides further protection as it is robust and suitable for aggressive environments and process fluids.

PRODUCT SPECIFICATIONS

Gauge & Output

| | |
|------------------------|---|
| Accuracy | 0.50% Full Scale |
| Response Time: | </= 1ms |
| Repeatability: | </= +/-0.3% Compound F.S. |
| Standard | |
| Ranges (Gauge): | -30" Hg/0 to 0/20,000 psi (-1/0 to 0/1600 bar) |

MECHANICAL SPECIFICATIONS

| | |
|-----------------------------|---|
| Dial Size: | 4" (100mm) |
| Bourdon | |
| Tube/Socket: | 316L Stainless Steel |
| Sensor Material: | 17-4PH Stainless Steel |
| Movement: | 303/304 Stainless Steel |
| Pressure | |
| Connections: | ¼ NPT Male ½ NPT Male |
| Connection Location: | Lower |
| Case Material: | 304L SS, (Std.)/316L SS (Opt.) |
| Rating: | IP65 |
| Electrical | |
| Connection: | See 'Order Information – Electrical Termination' on next page |
| Weight: | 2.68 lbs. (1.0 kg) |
| Ring: | Bayonet |
| Vent Plug: | Top |
| Dial: | Aluminum, White-coated |
| Pointer: | Aluminum, Black Micrometer |
| Window: | Safety Glass (Std.)/Acrylic (Opt.) |

ELECTRICAL SPECIFICATIONS

Power Supply

| | |
|---------------------------|---------------------------|
| Requirements: | Supply Voltage: 12-30 Vdc |
| Supply Current: | Max. 20 mA |
| Output Signal: | 4-20 mA |
| Isolation Voltage: | 350 Vac |

Maximum Loop

| | |
|--------------------|-------------------------|
| Resistance: | </= (UB – 9.5 V)/0.02 A |
|--------------------|-------------------------|

Case & Electrical

| | |
|-------------------------------|--------------------|
| Termination Isolation: | > 1 M ohm @ 50 Vdc |
|-------------------------------|--------------------|

ENVIRONMENTAL SPECIFICATIONS

Temperature Limits:

| | |
|--------------|--------------------|
| Storage: | -40/185F (-40/85C) |
| Process: | -13/185F (-25/85C) |
| Compensated: | -4/158F (-20/70C) |

Temperature

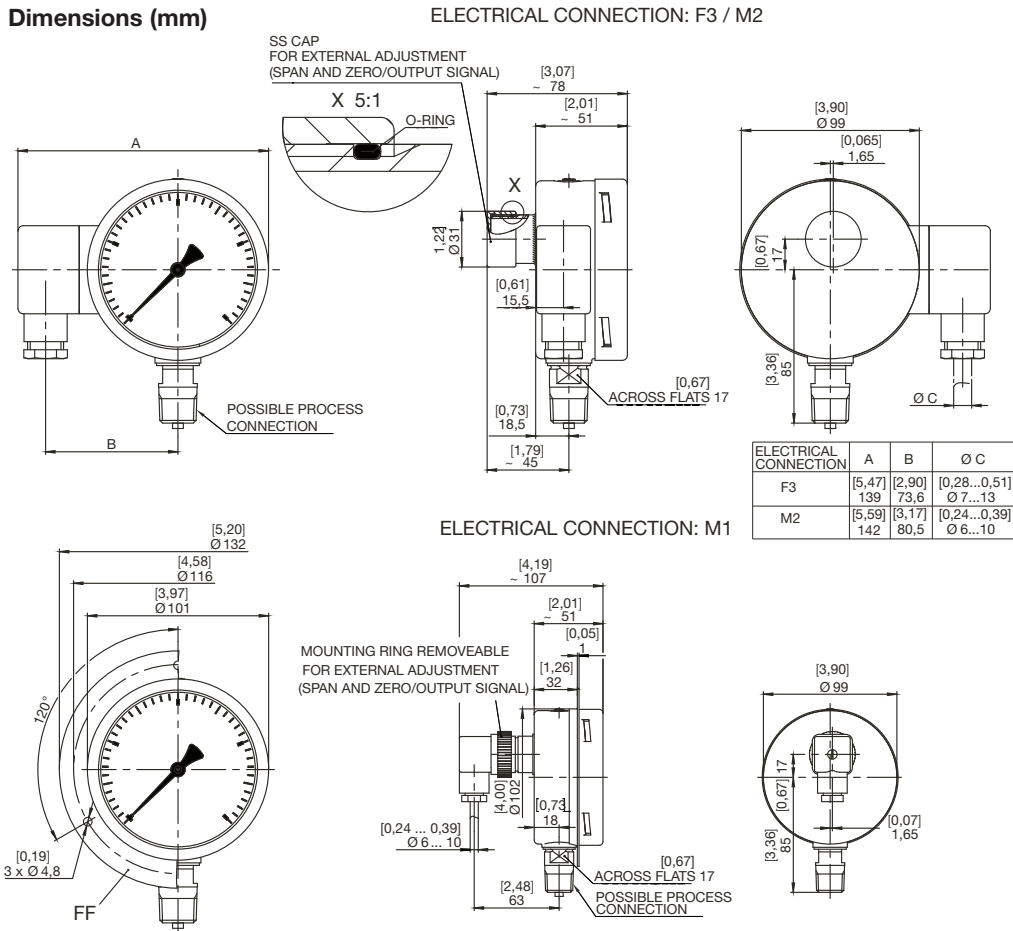
| | |
|-----------------|--------------------------------------|
| Effects: | +/-0.3%/ 10K from 0/50C (32/122F) |
|-----------------|--------------------------------------|

OPTIONS

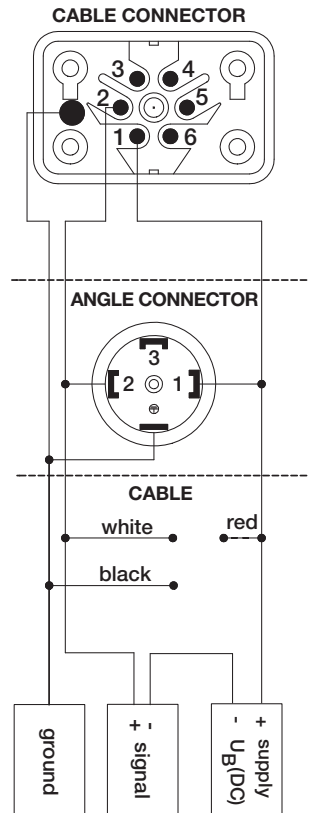
See 'Order Information – Options on next page

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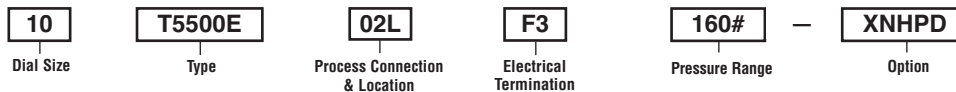
Dimensions (mm)



Electrical Connection



Ordering Code Sample:



Order Information

| DIAL SIZE | TYPE | PROCESS CONNECTION & LOCATION | ELECTRICAL TERMINATION | SINGLE SCALE PRESSURE RANGES | | | | OPTIONS (X VARIATIONS) |
|--------------------|---|--------------------------------|--|------------------------------|--------|--------|------------|-----------------------------------|
| | | | | psi (#) | Kg/cm | Bar | kPa | |
| (10) 100mm (4") | (T5500E) Process Gauge with Integrated Transmitter | (02L) 1/4 NPT (04L) 1/2 NPT | (F3) Type B Universal Box Cable Connector, Left Side Mount (M1) DIN EN 175301-803 Angle Connector, Back-mounted (M2) DIN EN 175301-803 Angle Connector, Left-side mount | 30"Hg/0* | -1/0* | -1/0* | -100/0* | (EP) Maximum pointer, adjustable |
| | | | | 30"Hg/0/15 | -1/0/1 | -1/0/1 | -100/0/100 | (SH) Red set hand, stationary |
| | | | | 30"Hg/0/30 | -1/0/2 | -1/0/2 | -100/0/200 | (LL) PLUS! Performance |
| | | | | 0/15 | 0/1 | 0/1 | 0/160 | (C4) Individual calibration chart |
| | | | | 0/30 | 0/1.6 | 0/1.6 | 0/250 | (NH) St. St. Wired Tag |
| | | | | 0/60 | 0/2.5 | 0/2.5 | 0/400 | (PD) Acrylic window |
| | | | | 0/100 | 0/4 | 0/4 | 0/600 | (FF) Front Flange** |
| | | | | 0/160 | 0/6 | 0/6 | 0/1000 | (OS) Overload Stop |
| | | | | 0/200 | 0/10 | 0/10 | 0/1600 | (VS) Underload Stop |
| | | | | 0/300 | 0/16 | 0/16 | 0/2500 | (TS) Throttle screw |
| | | | | 0/400 | 0/25 | 0/25 | 0/4000 | (YW) 316L St. St. Case |
| | | | | 0/600 | 0/40 | 0/40 | 0/6000 | |
| | | | | 0/800 | 0/60 | 0/60 | 0/10,000 | |
| | | | | 0/1000 | 0/100 | 0/100 | 0/16,000 | |
| | | | | 0/1500 | 0/160 | 0/160 | 0/25,000 | |
| | | | | 0/2000 | 0/250 | 0/250 | 0/40,000 | |
| 0/3000 | 0/400 | 0/400 | 0/60,000 | | | | | |
| 0/5000 | 0/600 | 0/600 | 0/100,000 | | | | | |
| 0/10,000 | 0/1000 | 0/1000 | 0/160,000 | | | | | |
| 0/20,000 | 0/1600 | 0/1600 | | | | | | |

*XLL NOT AVAILABLE

**Only available with M1 connection

Authorized Distributor:

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