

## **T5500E Process Gauge with Integrated Pressure Transmitter**

#### **FEATURES**

- PLUS!™ Performance dampens vibration, shock and pulsation effects
- Rugged design
- Easily adjusted micrometer pointer
- Integrated pressure transmitter

#### **TYPICAL USES**

- Refineries
- Pulp and paper
- Power plants
- Pressure measurement
- Monitoring & control

PRODUCT SPECIFICATIONS					
Temperature Effects:	+/-0.3%/ 10K from 0/50 °C (32/122 °F)				
Accuracy:	0.5% of span				
Response Time:	≤ 1 ms				
Repeatability:	≤ +/-0.3% Compound F.S				
Range:	-30" Hg/0 to 0/20,000 psi (-1/0 to 0/1600 bar)				
MECHANICAL SPECIFICATIONS					

Repeatability:	≤ +/-0.3% Compound r.3				
Range:	-30" Hg/0 to 0/20,000 psi (-1/0 to 0/1600 bar)				
MECHANICAL SPECIFICATIONS					
Size:	100 mm (4")				
Sensor Material:	17-4PH® Stainless steel				
Process Connection Location:	Lower				
Rating:	IP65				
Process Connection Size:	1/4 NPT Male, 1/2 NPT Male				
Case Style:	Open front with rear blowout disk				
Movement:	Adjustable				
Window Material:	Safety glass				
Dial:	Aluminum				
Weight:	2.68 lbs (1.0 kg)				
Vent Plug:	Тор				
Pointer:	Aluminum (STD.), Micrometer Adjustable (OPT.)				
Weather Protection:	IP65				
Dampening Options:	Performance <b>PLUS!</b> <sup>™</sup> , throttle screw, dampeners, and snubbers				
WETTED COMPONENTS					
Dourdon Tubo	Dragona Compostion lainte				

and snubbers					
WETTED COMPONENTS					
Bourdon Tube Process Connection Joints					
316L SS, Sensor (17-4 Ph	H® SS)	316 SS	Welded		
NON-WETTED COMPONENTS					
Case		Ring	Back Cover		
304 SS	Е	Bayonet, 304 SS	Stainless Steel		



### **KEY BENEFITS**

- IP65 Protection
- Suitable for aggressive environment and process fluids

ELECTRICAL SPECIFICATIONS					
Power Supply Requirements:	Supply Voltage: 12-30 Vdc				
Supply Current:	Maximum 20 mA				
Output Signal:	4-20 mA				
Isolation Voltage:	350 Vac				
Max. Loop Resistance:	$\leq$ (UB - 9.5 V)/0.02 A				
Case & Electrical Termination Isolation:	> 1 M ohm @ 50 Vdc				

MIN/MAX TEMPERATURE LIMITS						
Version	Process	Storage				
Dry	-4 °F to 158 ° F (-20 °C to 70 °C)	-13 °F to 185 °F (-25 °C to 85 °C)	-40 °F to 185 °F (-40 °C to 85 °C)			



# **T5500E Process Gauge with Integrated Pressure Transmitter**

ORDERING CODE Example:	10T5500E	S	D	02	L	F3	15#	XC4
Dial Size/Model Code								
10T5500E - 100 mm 304 SS case, open front with integrated transmitter	10T5500E							
System (tube and process connection)								
S - 316L Stainless steel		S	_					
Case Design			-					
D - Dry			D					
Process Connection Sizes								
02 - 1/4 NPT Male				02	_			
04 - ½ NPT Male					_			
Process Connection Location					-			
L - Lower					L			
Electrical Terminations								
F3 - Type B Universal box cable connector (left side mount)						F3		
M1 - DIN EN 175301-803 angle connector (back mount)								
M2 - DIN EN 175301-803 angle connector (left side mount)								
Range (coding examples only, see range table on page 3 for all standard	ard ranges)							
Single Scales								
15# - 15 psi							15#	
1KG - 1 kg/cm <sup>2</sup>								
1BR - 1 bar								
160KP - 160 kilopascal								
Options (If choosing an option(s) must include an "X")								X
C4 - <u>Traceable calibration certificate</u>								C4
LL - <b>PLUS!</b> ™ Performance								
NZ - <i>PLUS!</i> ™ Performance, silicone free								
MP - Micrometer adjustable								
SH - Red set hand, stationary								
FF - Front flange with M1 connection only								
OS - Overload stop								
VS - Underload stop								
SG - Safety glass								
PD - Acrylic window								
YW - 316L Stainless steel case								
NH - Stainless steel tag wired to case								
TU - Throttle plug								

When selecting a diaphragm seal or isolation ring, refer to the  $\underline{\text{Min/Max Guide}}$  for compatibility with this gauge or scan the QR code to the right.





# **T5500E Process Gauge with Integrated Pressure Transmitter**

ST	ANDARD	PRESSURE R	ANGE		
_	psi	bar	kPa	mPa	kg/cm²
Vacuum	30IMV	N1BR	N100KP	N1MP	N1KG
Na Na	-	N1/0.6BR	N100/60KP	0.1/0.06MP	N1/0.6KG
	V/15#	-	-	-	-
	-	N1/1.5BR	N100/150KP	N0.1/0.15MP	N1/1.5KG
-	V/30#	-	-	-	-
Compound	-	N1/3BR	N100/300KP	N0.1/0.3MP	N1/3KG
e o	V/60#	-	-	-	-
٥	_	N1/5BR	N100/500KP	N0.1/0.5MP	N1/5KG
	V/100#	-	-	-	-
	_	N1/9BR	N100/900KP	N0.1/0.9MP	N1/9KG
	15#	1BR	100KP	0.1MP	1KG
	20#	_	_	_	_
	_	1.6BR	160KP	0.16MP	1.6KG
	30#	_	_	_	_
	_	2.5BR	250KP	0.25MP	2.5KG
	60#	4BR	400KP	0.4MP	4KG
	_	6BR	600KP	0.6MP	6KG
	100#	_	-	-	-
	120#	_	_	_	_
	-	10BR	1000KP	1MP	10KG
	160#	_	-	_	_
	200#	_	_	_	_
	_	16BR	1600KP	1.6MP	16KG
	300#	-	-	-	-
63	-	25BR	2500KP	2.5MP	25KG
SSUL	400#		2300111		
Positive Pressure	500#	_	_	-	_
II.		40BR	4000KB	- 4MP	40KG
Pos	600#	40DN	4000KP	4IVIP	40KG
	800#	- CORD	- 6000KP	- GMD	-
	1000#	60BR	OUUKP	6MP	60KG
	1000#	10000	- 10000KD	- 10MD	1001/0
	1500#	100BR	10000KP	10MP	100KG
	2000#	-	- 100001/D	-	-
	-	160BR	16000KP	16MP	160KG
	3000#	-	- 050001/D	-	-
	-	250BR	25000KP	25MP	250KG
	4000#	-	-	-	-
	5000#	-	_	-	-
	6000#	400BR	40000KP	40MP	400KG
	8000#	-	-	-	-
	-	600BR	60000KP	60MP	600KG
	10000#	-	-	-	-
	15000#	1000BR	100000KP	100MP	1000KG



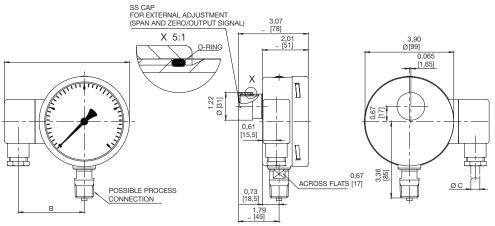
## **T5500E Process Gauge with Integrated Pressure Transmitter**

### **DIMENSIONS** in [] are millimeters

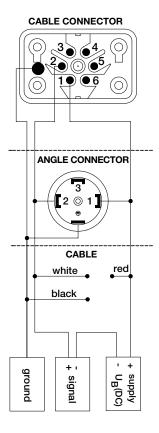
For reference only, consult Ashcroft for specific dimensional drawings

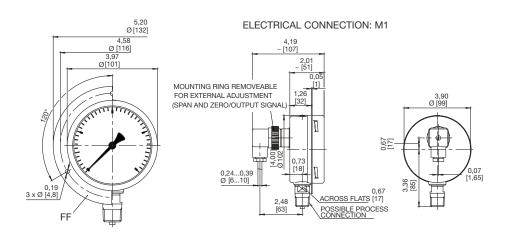
Electrical Connection	Α	В	øс
F3	5,47	2,90	0,28 0,51
	[139]	[73,6]	[Ø7 13]
M2	5,59	3,17	0,24 0,39
	[142]	[80,5]	[Ø6 10]

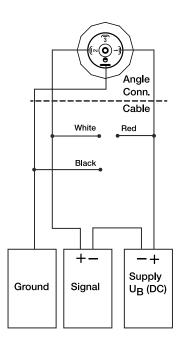
#### ELECTRICAL CONNECTION: F3 / M2



#### **Electrical Connection**







4 of 4