

TC-10A SERIES

Bourdon Tube Pressure Gauges Stainless Steel Case Filled Type

Standard Specifications

Model	TC-10A-100 (4" dial) TC-10A-63 (2.5" dial)
Dial	2.5", 4"
Wetted Parts	Brass Tube & Socket
Case	304 Stainless Steel
Window	Glass or Acrylic
Movement	Brass
Connection	1/4" & 1/2" NPT Bottom
Ring	Bayonet type, 304 Stainless Steel
Pointer	Plain, Black Aluminum Extra Red Pointer for 4" dial
Accuracy	1 % (4") 1.6 % (2.5") EN 837, ASME B40.100
Maximum Temp.	150 °F (65 °C)

Ranges

-1/20 bar & -14.5 /300 psi	0/20 bar & 0/300 psi
-1/10 bar & -14.5 /150 psi	0/25 bar & 0/350 psi
-1/7 bar & -14.5 /100 psi*	0/30 bar & 0/450 psi*
-1 /2 bar & -14.5 /30 psi	0/35 bar & 0/500 psi
-1/1 bar & -14.5 /15 psi	0/40 bar & 0/600 psi
-1/0 bar & -14.5 /0 psi	0/50 bar & 0/700 psi*
0/0.6 bar & 0/8.7 psi*	0/70 bar & 0/1000 psi
0/1 bar & 0/15 psi	0/100 bar & 0/1500 psi
0/2 bar & 0/30 psi	0/250 bar & 0/3500 psi*
0/3 bar & 0/45 psi	0/300 bar & 0/4500 psi*
0/4 bar & 0/60 psi	0/350 bar & 0/5000 psi*
0/7 bar & 0/100 psi	0/400 bar & 0/6000 psi*
0/10 bar & 0/150 psi	0/500 bar & 0/7000 psi*
0/16 bar & 0/225 psi	
*not available in 100mm dial	



**RED POINTER
WITH LIQUID FILLED**



MODEL: TC10-A-100



MODEL: TC10-A-63

Principles of Operation

TISCO Pressure Gauges are constructed with a bourdon tube sensing element. When the sensing element is subjected to pressure, it flexes and the resulting motion is transmitted as a measurement through a mechanical movement to the dial face pointer.

Applications

These gauges are suitable for dry and gaseous media that will not react with copper alloy part

Note

Pressure gauges should be protected by appropriate isolation devices such as, but not limited to, needle valves, gauge cocks, etc.. For start-up or test situations on closed loop systems, a safety relief device must be used.



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