Differential Pressure Gauges
Copper Alloy Wetted Parts
In-Line Connections
Bourdon Tube Series • Type 7X1.12

Applications
Measurement of pressure differential or duplex measurement of 2 applied pressures. Suitable for all gaseous and liquid media that will not obstruct the pressure system or attack copper alloy parts.

Features
 Sizes
4" & 6" (100 mm & 160 mm)
 Accuracy
± 1.5% of span
 Ranges (All ranges not stocked)
Vacuum 30"Hg
Pressure from 10 psi to 15,000 psi
Scale range must be selected based on the highest static pressure measured. The pressure differential to be indicated should be no less than 1/6 of the full scale range. When ordering please state both the static pressure applied and the differential to be indicated.

Working Range
Steady: full scale value
Fluctuating: 0.9 x of full scale value
Short time: 1.3 x full scale value

Operating Temperature
Ambient: -4°F to 140°F (-20°C to 60°C)
Media: max. 140°F (+60°C) - 10 psi thru 1000 psi
max. 212°F (+100°C) - 1500 psi thru 15,000 psi

Temperature Error
Additional error when temperature changes from reference temperature of 68°F (20°C) ±0.4% for every 18°F (10°C) rising or falling. Percentage of span.

Weather Protection
Weather resistant (NEMA 2 / IP 33)

Connection
Material: copper alloy
Lower mount (LM) only
2 x 1/4" or 1/2" NPT
Each side marked with ☀ or ☀

7X12.12 Differential Pressure Gauge
Bourdon Tube
10 psi to 1,000 psi  C-type
Material: copper alloy
1,500 psi to 15,000 psi helical type
Material: 316 stainless steel

Movement
Copper alloy, wearable parts Argentan

Dial
White aluminum with black lettering

Pointer
Material: aluminum
1 black pointer
1 graduated disk indicator with scale ± 50%
of main scale range

Case
Black painted steel

Window
Flat glass

Cover Ring
Black painted steel screw retained

To determine the effects of temperature and response time in a specific application, contact the factory for an Application Questionnaire. The information provided will allow WIKA Technical Support to accurately model your application parameters using state-of-the-art computer simulation techniques.
Order Options (min. order may apply)
Duplex gauge with 1 red and 1 black pointer
Subtracting movement (for single-pointer indication)
316 SS wetted parts (Type 731.12)
Liquid filling (4" only) (Type 713.12)
316SS case, ring, and wetted parts (Type 73X.02)
Front flange
Rear flange
Magnetic or inductive alarm contacts (6" size only)

### A* NOMINAL SIZE

<table>
<thead>
<tr>
<th>TYPE</th>
<th>WEIGHT</th>
<th>KEY</th>
<th>A*</th>
<th>B</th>
<th>C</th>
<th>E</th>
<th>T</th>
<th>W</th>
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<td>0.87</td>
<td>1.26</td>
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*Items in bold are available from stock (subject to prior sales). For optional items, consult factory for current lead-time.*

Options not listed may be available, please consult factory.

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