



# Bourdon Tube Pressure Gauges

Black Steel Case

Brass Wetted Parts

Accuracy  $\pm 1.0\%$  of Span

Industrial Series • Type 211.11

## Pressure Gauges

### Application

Industrial type gauge design for fluid medium which does not clog connection or corrode copper alloy.

Example: process, chemical, petrochemical equipment.

### Size

10" (250 mm)

### Accuracy

$\pm 1.0\%$  of span (ASME B40.1 Grade 1A)

### Ranges

Vacuum / Compound to 30"HG / 0 / 200 PSI

Pressure from 10 PSI to 15,000 PSI

or other equivalent units of pressure or vacuum

### Working Range

Steady: Full scale value

Fluctuating: 0.9 x full scale value

Short time: 1.3 x full scale value

### Operating Temperature

Ambient: -40°F to 140°F (-40°C to 60°C)

Media: max. + 140°F (+60°C)

### Temperature Error

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

### Weather Protection

Weather resistant (IP 54)

## Standard Features

### Connection

Material: Copper alloy

Lower Mount (LM)

Lower Back Mount (LBM)

1/4" NPT or 1/2" NPT

### Bourdon Tube

< 1500 PSI: Copper alloy, C-type, soft soldered

$\geq 1500$  PSI: 316 stainless steel, helical type, brazed

### Movement

Copper alloy

### Dial

White aluminum with black lettering

### Pointer

Black aluminum, adjustable

### Case

Black-painted steel with black-painted steel friction fit ring



### Window

Flat instrument glass

### Order Options

Laminated safety glass

Cleaned for oxygen service

Other pressure connection limited to wrench flat area

Threaded brass restrictor

316 stainless steel wetted parts (**Type 231.11**)

Externally adjustable red drag pointer (max. hand)

Externally adjustable red mark pointer (set pointer)

Stainless steel front flange

Steel black painted front flange

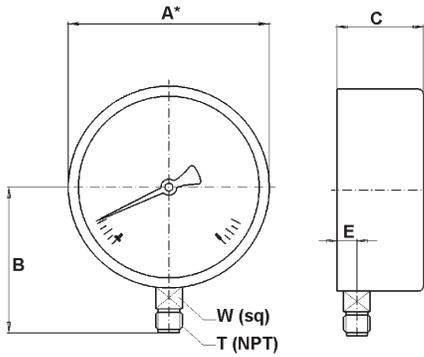
Stainless steel rear flange

Steel black painted rear flange

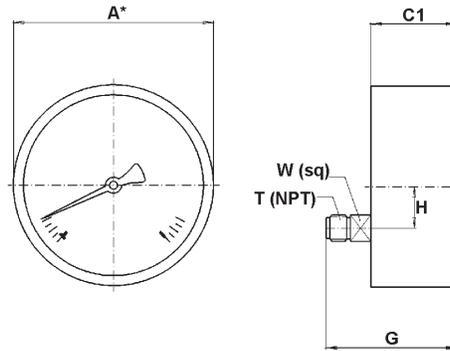
**APM 211.11**  
**(APM 02.26)**

**Dimensions:**

**Lower Mount (LM)**

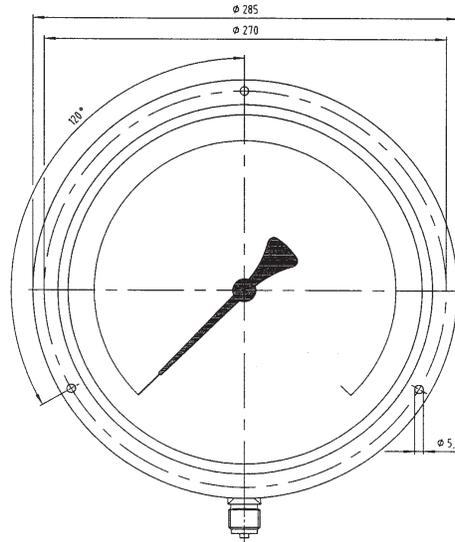
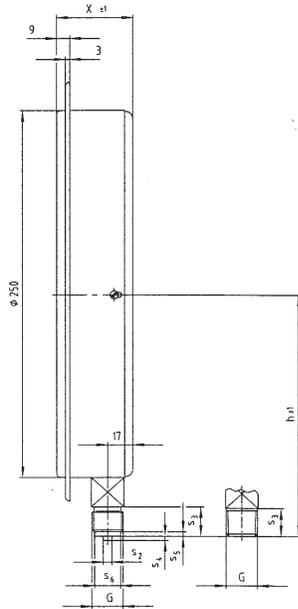


**Lower Back Mount (LBM)**



TYPE/SIZE	WEIGHT	KEY	A	B	C	C1	E	G	H	T	W
211.11 10"	6.6 lb	mm	250	165	51.5	51.5	17	83.5	50	1/2"	22
		in	9.84	6.5	2.03	2.03	.67	3.29	1.97		.87

NOTE: For ranges under 60 PSI and over 1,500 PSI, add 0.51 in. (13mm) to C, C1, and G dimensions.



G	s <sub>1</sub>	s <sub>2</sub>	s <sub>3</sub>	s <sub>4</sub>	s <sub>5</sub>	s <sub>6</sub>	h
G1/2A	φ 6	20	3	3	φ 17.5	165	
M20x1.5	φ 6	20	3	3	φ 17.5	165	
G3/8A	φ 6	20	3	-	-	165	
1/2NPT	-	19	-	-	-	164	
R1/2-2999	-	19	-	-	-	164	
G1/2A JIS	φ 5	20	3	-	-	165	
R1/8-2999	-	10	-	-	-	154	

	-100bar	≥100bar
X	51.5	64.5

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Total Performance™**

**Ordering Information:**

State computer part number (if available) / type number / size / range / connection size and location / options required.

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



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