

# Differential Pressure Gauge Model JG

**High Accuracy: 0.2% Full Scale**

**30° to 160°F Operating Temperature**

**Enhanced Resolution**

- **Stainless Steel Construction**
- **On/Off Switch**
- **CE Compliant**
- **9 Volt Battery Power**
- **High/Low Capture & Store**
- **4 Digit Display**
- **Additional Information at [www.dctinstruments.com/jgdata.htm](http://www.dctinstruments.com/jgdata.htm)**

As an in-process wet/wet differential pressure gauge, the hand-held Model JG delivers long-lasting, high accuracy performance. Accuracy of 0.2% coupled with an enhanced resolution, 4 digit display makes this unit an excellent transfer standard for calibrating pressure measuring equipment.

The JG is rugged and features High/Low pressure capture with an update rate of three times per second. These units are manufactured from stainless steel and use reliable sensor technology which has no moving parts, requires little recalibration and has excellent overpressure tolerance.



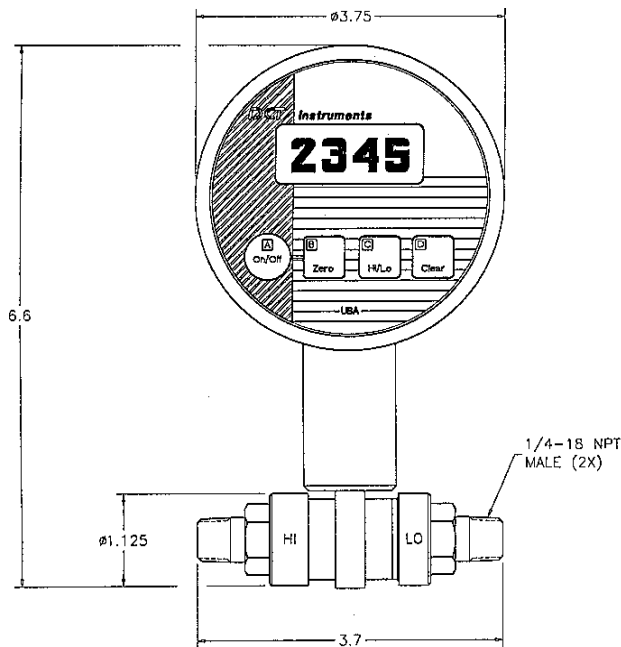
**Distributed By:**

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## DIMENSIONS



Request certified drawing before designing mountings or fixtures.  
Specifications subject to change without notice.

## ACCESSORIES

### PRESSURE ADAPTER

- To 1/4 - 18 NPT Female
- To 1/4 - 18 NPT Male
- To 7/16 - 20 UNF - Male with 37 deg flare  
(Call factory for other fittings)

### CARRYING CASE

### PANEL MOUNTING RING

### NIST CERTIFICATION

(In addition to NIST STATEMENT)

## ORDER CODE

### Zinc Plated    Stainless

| Steel | Steel |
|-------|-------|
| AD6   | SS6   |
| AD7   | SS7   |
| AD9   | SS9   |

CC2

MR2

NISTCERTS

## SPECIFICATIONS

|                         |  |
|-------------------------|--|
| Accuracy:               | 0.2% FS  |
| Diameter:               | 3.7 inches   |
| Rating:                 | NEMA 2   |
| Operating Temperature:  | Standard: 30°-160°F  |
| Maximum Line Pressure:  | 500 psid   |
| Display:                | 4 LCD Digits - 0.5 inches high                             |
| Pressure Ports:         | 1/4-18 npt male  |
| Power:                  | Model JGW: One or two 9 volt alkaline batteries (included) |
|                         | Model JGT: 110 Volts AC Adapter @ 60 Hz (included)         |
|                         | Model JGV: 11 to 32 VDC @ 100 mA (3 ft. cable included)    |
| Wetted Parts:           | Stainless steel  |
| Case Material:          | Stainless steel  |
| Low Battery Indication: | Standard   |
| High & Low Capture:     | Standard   |
| Update Speed:           | 3 per second   |
| Face Membrane:          | Tactile Feedback Raised Buttons                            |
| Calibration Data:       | Stored on Memory Chip                                      |

## ORDERING INFORMATION

### ORDER CODE

\* = Example

### SERIES

JG

### POWER

- W = Battery Powered (9 volt alkaline)\*
- T = 110 Volts AC adapter (included)
- V = 11 to 32 VDC (3 ft. cable)
- B = 4-20 mA (2-wire)
- E = 0-5 VDC
- R = 2 programmable limits & relays
- X = 0-5 VDC with limits & relays

### PRESSURE RANGE (PSI)

|              |               |               |
|--------------|---------------|---------------|
| 1 = 0-1(opt) | 200 = 0-200*  | 2K = 0-2000   |
| 5 = 0-5(opt) | 300 = 0-300   | 3K = 0-3000   |
| 15 = 0-15    | 500 = 0-500   | 5K = 0-5000   |
| 30 = 0-30    | 750 = 0-750   | 7.5K = 0-7500 |
| 50 = 0-50    | 1K = 0-1000   | 10K = 0-10000 |
| 100 = 0-100  | 1.5K = 0-1500 |               |

### REFERENCE

D = Differential

### ELECTRICAL CONNECTION

- Z = No electrical connection (Model JGW - 9 volt battery)\*
- C = 3 foot cable (Model JGV)
- T = AC adapter (Model JGT)

Call factory for availability of other electrical connections and cable lengths.

### OPTIONAL

4 = NEMA 4

NEMA 4 option also provides temperature range of 0-180°F

### OPTIONAL UNITS OF MEASURE

Each gauge has the following scaling built in for field selection:

|                   |                               |
|-------------------|-------------------------------|
| Bar = Bar         | Ft H2O = Feet of water        |
| mBar = Millibar   | In H2O = Inches of water      |
| kPa = Kilopascals | In Hg = Inches of mercury     |
| MPa = Megapascals | mmHg = Millimeters of mercury |

Consult factory for other units of measure not listed

| PRESSURE RANGE (PSI) | MAXIMUM SAFE OVER PRESSURE (PSI)<br>See note (1) Below | INCREMENTAL DISPLAY STEPS |
|----------------------|--|---------------------------|
| 0 - 1 = 1(opt)       | 10   | .001                      |
| 0 - 5 = 5(opt)       | 25   | .005                      |
| 0 - 15 = 15          | 75   | .01                       |
| 0 - 30 = 30          | 150  | .02                       |
| 0 - 50 = 50          | 250  | .05                       |
| 0 - 100 = 100        | 500  | .1                        |
| 0 - 200 = 200        | 1,000  | .1                        |
| 0 - 300 = 300        | 1,200  | .2                        |
| 0 - 500 = 500        | 1,500  | .5                        |
| 0 - 750 = 750        | 1,500  | .5                        |
| 0 - 1,000 = 1K       | 2,000  | 1                         |
| 0 - 1,500 = 1.5K     | 3,000  | 1                         |
| 0 - 2,000 = 2K       | 4,000  | 1                         |
| 0 - 3,000 = 3K       | 6,000  | 2                         |
| 0 - 5,000 = 5K       | 7,500  | 5                         |
| 0 - 7,500 = 7.5K     | 12,000   | 5                         |
| 0 - 10,000 = 10K     | 15,000   | 5                         |

(1) Maximum Safe Overpressure is the pressure which the unit can experience occasionally without loss of accuracy or permanent damage.

**DCT** Instruments

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