

# Digital Pressure Test Gauge Model JK

**Accuracy: 0.2% Full Scale**

**0° to 180°F Operating Temperature\***

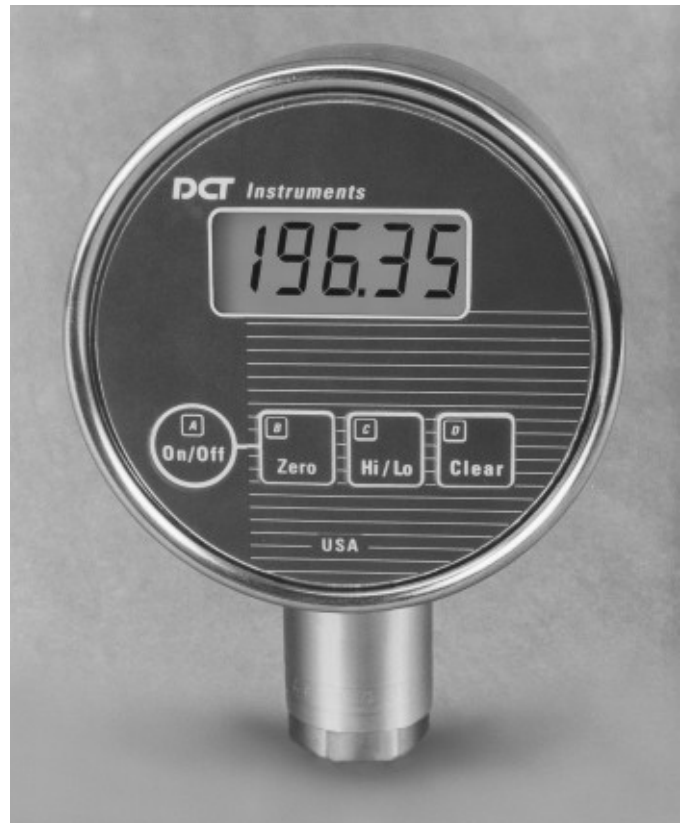
**Field Selectable Engineering Units**

- **Stainless Steel Construction**
- **On/Off Switch**
- **CE Compliant**
- **9 Volt Battery Power**
- **High/Low Capture & Store**
- **4 1/2 Digit Display**
- **Additional Information at**  
[www.dctinstruments.com/jkdata.htm](http://www.dctinstruments.com/jkdata.htm)

As an in-process gauge or portable calibrator, the hand-held Model JK delivers long-lasting, high accuracy performance. Accuracy of 0.2% coupled with an enhanced resolution, 4 1/2 digit display makes this unit an excellent transfer standard for calibrating pressure measuring equipment.

The JK is rugged and features High/Low pressure capture. 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. Optional NEMA 4 rating extends the operating temperature to 0° to 180°F.

Units of measure are field-selectable and the unit is offered with gage, absolute, vacuum, or compound reference.



\*With optional NEMA 4 rating

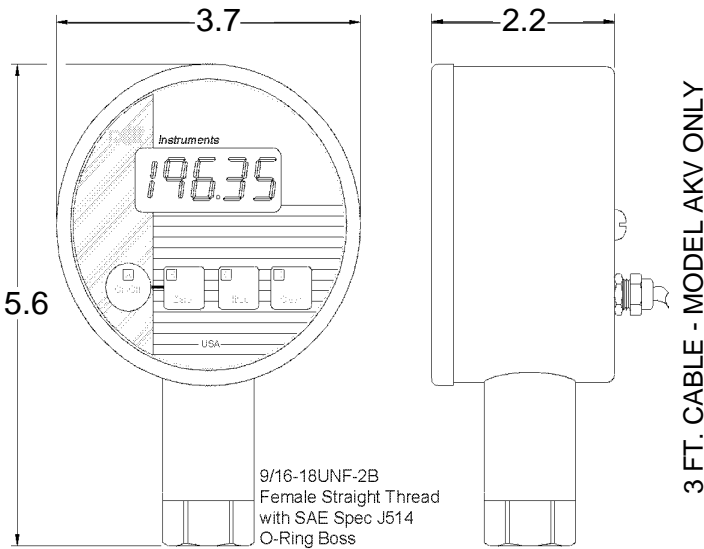
**Distributed By:**

**DCT Instruments**

DCT Instruments/Sensotec, Inc.  
2080 Arlingate Lane  
Columbus, Ohio 43228  
[www.dctinstruments.com](http://www.dctinstruments.com)

1-800-328-1028  
Tel: 614-850-6020  
Fax: 614-850-1111  
e-mail: [dct@sensotec.com](mailto:dct@sensotec.com)

## 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% of FS BFSL
Diameter:	3.7 inches
Rating:	NEMA 2 (NEMA 4 Optional - Except JKT)
Operating Temperature:	Standard: 30-160°F Optional: 0-180°F (NEMA 4 option required)
Pressure Range 0 to:	15, 50, 100, 200, 500, 750, 1000, 1500, 2000, 5000, 7500, 10000 PSI
Display:	4 1/2 LCD Digits - 0.5 inches high
Pressure Port:	9/16-18 UNF - 2B - Female straight thread with SAE Spec J514 O-ring boss
Power:	Model JKW: One or two 9 volt alkaline batteries (included) Model JKT: 110 Volts AC Adapter @ 60 Hz (included) Model JKV: 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

JK\*

### POWER

- W = Battery Powered (9 volt alkaline)\*
- T = 110 Volts AC adapter (included)
- V = 11 to 32 VDC (3 ft. cable)

### 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

- G = Gage (std) reads zero at atmosphere \*
- A = Absolute (opt) reads zero at vacuum (15 psi or higher)
- V = Vacuum (opt)
- C = Compound (opt) reads both positive & negative (vacuum) pressure

### ELECTRICAL CONNECTION

- Z = No electrical connection (Model JKW - 9 volt battery)\*
- C = 3 foot cable (Model JKV)
- T = AC adapter (Model JKT)

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

### OPTIONAL

4 = NEMA 4 (Not available on JKT)

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

### FIELD SELECTABLE STANDARD 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) 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.