

Digital Pressure Gauge with VCR fittings

Model JV

Passivation or Oxygen Cleaned Options

2 Programmable Limits and Relays (Optional)

Test Gauge Accuracy - 0.2% Full Scale

High & Low Detection - Microprocessor Based

Ranges to 5,000 PSI - Gage, Absolute, Vacuum or Compound

Using VCR fittings, the Series JV Digital Pressure Test Gauge with 0.2% full scale accuracy uses transducer technology and a stainless steel diaphragm for high over pressure protection. The transducer technology provides high accuracy over the entire pressure range. The JV has no moving parts and thus, ensures long life with fewer re-calibrations. The stainless steel NEMA construction also provides EMI and RFI protection.

The JV provides high resolution with an easy to read digital display. There are no operator errors due to interpolation of hash marks or parallax errors. The units can be scaled to read in various engineering units such as InHg, Ft H₂O, etc.

The Model JVB provides a 4-20 mA, 2 wire output. The Model JVE provides a 0-5 VDC output. The Model JVR has 2 programmable limits and relays with no analog output. The Model JVX provides a 0-5 VDC output with 2 programmable limits and relays for process control or alarm indication.

The Model JVW is powered by one or two common 9-volt alkaline batteries. The Model JVT is powered by a 110 VAC adapter. The Model JVV is powered by an 11 to 32 VDC power supply.

Each unit has a membrane face with raised buttons and tactile feedback for setup and operation. The High, Low, and Clear buttons are easily accessible on this front membrane. Zero adjustment and zero offset/tare functions are standard on each unit. Calibration and setup parameters are stored on a memory chip to protect from loss even when power is interrupted. Unauthorized set ups and calibrations are also blocked with internal security. Various combinations of the front panel buttons can be de-activated. Please consult factory.

The Model JV has an on/off switch that can be operated in three different modes. In the first mode, the unit is turned on and off manually. In the second mode, the unit is set to remain on continuously, i.e., the unit cannot be turned off. In the third mode, the unit is turned on and off manually, and the unit also has an automatic shut off if the Hi/Lo button is not pushed after four minutes.



Series JV

Made in the U.S.A.

- Customer Recalibration
- Zero Offset/Tare
- On/off Switch Disable Feature
- 2 Programmable Limits and Relays (Optional)
- NEMA 4 Rating (Optional)
- NIST STATEMENT

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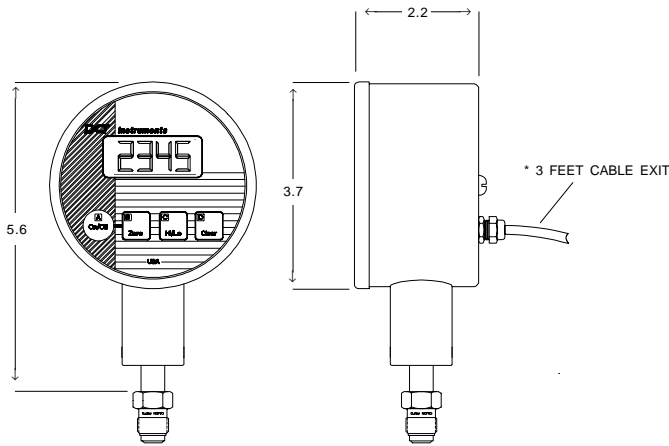
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DIMENSIONS



* Models JVB, JVE, JVR, JVX, JVW

No cable for battery powered Model JVW

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

ACCESSORIES

	ORDER CODE
CARRYING CASE	CC2
PANEL MOUNTING RING	MR2
NIST CERTIFICATION (In addition to NIST STATEMENT)	NISTCERTS

SPECIFICATIONS

Rating:	NEMA 2 (Optional NEMA 4)
Diameter:	3.7 inches
Linearity & Hysteresis:	0.2% FS (Better than Test Gauge Accuracy)
Operating Temperature:	30 to 160 deg F
Pressure Range 0 to:	1, 5, 15, 30, 50, 100, 200, 300, 500, 750, 1000, 1500, 2000, 3000, 5000, 7500, 10000 PSI
Display:	4 1/2 LCD Digits - 0.5 inches high
Pressure Port:	Size 4 stainless steel VCR (male) Other VCR parts available. Please call factory.
Power:	Model JVW: One or two 9-volt alkaline batteries (included) Model JVT: 110 Volt AC adapter @ 60 Hz (included) Model JVV: 11 to 32 VDC @ 100 mA (3 ft. cable included) Model JVB: 11 to 32 VDC (depending on loop resistance) @ 20 mA Model JVE: 11 to 32 VDC @ 100mA Model JVR: 11 to 32 VDC @ 100mA Model JVX: 11 to 32 VDC @ 100mA
Electrical Connection:	3 foot cable (std) Models JVB, JVE, JVR, JVX, JVW
Wetted Parts:	Stainless steel
Case Material:	Stainless steel
High & Low Capture:	Standard
Update Speed:	3 times per second
Zero & Span Signal Adjustment:	Standard on Models JVB, JVE, JVX
Face Membrane:	Tactile Feedback Raised Buttons
Calibration Data:	Stored on Memory Chip
Low Battery Indication:	Standard on Model JVW
Limits & Relays:	Models JVR & JVX

[The limit/relay models include 2 LED status indicators on front face and 2 form C relays (normally open, common, normally closed) that are rated at a maximum 24 VDC/AC at 1 AMP or 48 VDC/AC at 1/2 AMP]

ORDERING INFORMATION

ORDER CODE	JV	W	100	G	Z	V	()
* = Example							
SERIES							
JV*							
MODEL DESIGNATION							
Models with Output Signal							
B = 4-20 mA (2 wire)							
E = 0-5 VDC							
R = 2 Programmable Limits & Relays							
X = 0-5 VDC with 2 Limits & Relays							
Models with No Output Signal							
W = Battery powered (9 volt alkaline) *							
T = 110 Volt AC adapter (included)							
V = 11 to 32 VDC (3 ft. cable)							
PRESSURE RANGE (PSI)							
1 = 0-1 (opt)	100 = 0-100*	1.5K = 0-1500					
5 = 0-5 (opt)	200 = 0-200	2K = 0-2000					
15 = 0-15	300 = 0-300	3K = 0-3000					
30 = 0-30	500 = 0-500	5K = 0-5000					
50 = 0-50	750 = 0-750	7.5K = 0-7500					
	1K = 0-1000	10K = 0-10000					
REFERENCE							
G = Gage (std) reads zero at atmosphere*							
A = Absolute (opt) reads zero at vacuum (15 psi or higher)							
V = Vacuum (opt) scaled in In Hg (15 psi or lower)							
C = Compound (opt) reads both positive and negative (vacuum) pressure							
ELECTRICAL CONNECTION							
Z = No electrical connection (Model JVW - 9 volt battery)*							
C = 3 foot cable							
T = AC adapter (Model JVT)							
B = Bendix (opt) (PTIH-10-6P or equal) connector sold separately							
<i>Call Factory for availability of other electrical connections and cable lengths.</i>							
VCR PRESSURE FITTING							
V = Size 4 stainless steel VCR (male)*							
<i>Other VCR ports available. Please call factory.</i>							
NEMA 4 CONSTRUCTION							
4 = NEMA 4 (not available on Model JVT)							

This order code is used ONLY if you want NEMA 4 rating

FIELD SELECTABLE STANDARD UNITS OF MEASURE

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.

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