

Pressure Gauges

SERIES LVBNA

Pressure gauges.

- 2.5" diameter dial has dual English/metric scales
- ASME Grade B accuracy: $\pm 3\%$ first 3rd of scale, $\pm 2\%$ middle 3rd of scale, and $\pm 3\%$ last 3rd
- Corrosion resistant stainless steel case and ring, acrylic lens
- Brass internal materials
- 1/4" NPT bottom connection only
- Rated for -20 to 60°C and pressure steady at 75% f.s.



Model

LVBNA-30HG
LVBNA-30
LVBNA-15P
LVBNA-30P
LVBNA-60P
LVBNA-100P
LVBNA-160P
LVBNA-200P
LVBNA-300P
LVBNA-400P
LVBNA-600P
LVBNA-1000P

Dial Ranges

0-30"Hg Vac
 30"Hg Vac to 30 psi
 0 to 15 psi/0 to 105 kPa
 0 to 30 psi/0 to 210 kPa
 0 to 60 psi/0 to 420 kPa
 0 to 100 psi/0 to 700 kPa
 0 to 160 psi/0 to 1120 kPa
 0 to 200 psi/0 to 1400 kPa
 0 to 300 psi/0 to 2100 kPa
 0 to 400 psi/0 to 2800 kPa
 0 to 600 psi/0 to 4200 kPa
 0 to 1000 psi/0 to 7000 kPa

Price

\$6
\$6
\$6
\$6
\$6
\$6
\$6
\$6
\$6
\$6
\$6
\$6

SERIES AVNC/AHNC

Glycerine filled pressure gauges.

- Stamped aluminum 2.5" diameter dial
- Polished stainless steel case
- Glass lens, pressed bezel
- Bronze tube and brass socket with brass movement
- 1/4" male NPT connection, bottom or back
- 1.6% accuracy
- Glycerine fill provides a dampening effect which minimizes pulsations; continuously lubricates gauge movement; and makes this gauge ideally suited for adverse environments



Bottom Connection Model

AVNC-30HG
AVNC-30
AVNC-15P
AVNC-30P
AVNC-60P
AVNC-100P
AVNC-160P
AVNC-200P
AVNC-300P
AVNC-400P
AVNC-600P
AVNC-1000P
AVNC-1500P
AVNC-2000P
AVNC-3000P
AVNC-5000P
AVNC-6000P

Back Connection Model

AHNC-30HG
AHNC-30
AHNC-15P
AHNC-30P
AHNC-60P
AHNC-100P
AHNC-160P
AHNC-200P
AHNC-300P
AHNC-400P
AHNC-600P
AHNC-1000P
AHNC-1500P
AHNC-2000P
AHNC-3000P
AHNC-5000P
AHNC-6000P

Compound Scale Dial Ranges

30"Hg-0" Vac
 30"Hg-0-30 psi
 0-15 psi/0-100 kPa
 0-30 psi/ 0-200 kPa
 0-60 psi/0-400 kPa
 0-100 psi/0-700 kPa
 0-160 psi/0-1100 kPa
 0-200 psi/0-1400 kPa
 0-300 psi/0-2100 kPa
 0-400 psi/0-2800 kPa
 0-600 psi/0-4200 kPa
 0-1000 psi/0-7000 kPa
 0-1500 psi/0-10,500 kPa
 0-2000 psi/0-14,000 kPa
 0-3000 psi/0-21,000 kPa
 0-5000 psi/0-35,000 kPa
 0-6000 psi/0-42,000 kPa

Bottom Connection Price

\$20
\$20
\$20
\$20
\$20
\$20
\$20
\$20
\$20
\$20
\$20
\$20
\$20
\$20
\$20
\$20

Back Connection Price

\$25
\$25
\$25
\$25
\$25
\$25
\$25
\$25
\$25
\$25
\$25
\$25
\$25
\$25
\$25

Pressure Gauges

SERIES 421AVND

Pressure gauges.

- Corrosion resistant stainless steel case and ring, plastic lens
- Phosphor bronze movement is recommended for average general use
- Soft soldered phosphor bronze tube with brass socket. Suitable for steam, water, air, oil, gas or any medium not corrosive to copper alloys.
- White background dial with bold black numerals and graduations, 270° arc
- Balanced adjustable black pointer
- 1% accuracy
- 1/4" NPT bottom connection only



Model	Dial Ranges	Figure Intervals	Minor Divs.	Price
421AVND-30VAC	0-30"Hg Vac	5"	0.5"	\$14
421AVND-30	0 to 30 psi	5 psi	0.5 psi	\$14
421AVND-60	0 to 60 psi	10 psi	1 psi	\$14
421AVND-100	0 to 100 psi	10 psi	1 psi	\$14
421AVND-160	0 to 160 psi	20 psi	2 psi	\$14
421AVND-200	0 to 200 psi	20 psi	2 psi	\$14
421AVND-300	0 to 300 psi	50 psi	5 psi	\$14
421AVND-500	0 to 500 psi	50 psi	5 psi	\$14

SERIES LF45

Compound scale process gauges.

- Stamped aluminum 4-1/2" (115mm) diameter dial
- Black, impact resistant phenolic case
- 316 stainless steel bourdon tube and socket
- Silicone fluid filled and rated for -50 to 170°F
- 1/2% of full scale accuracy
- Transient over-pressure limit: 30%
- Restrictor screw
- Shatterproof glass lens
- Integral back flange
- Safety blowout backplate
- Micrometer adjustable pointer
- 1/4" or 1/2" NPT male connection bottom



1/4" NPT Model No.	1/2" NPT Model No.	Dial Ranges	Figure Intervals	Smallest Graduation	1/4" NPT Price	1/2" NPT Price
LF45-15-1/4	LF45-15-1/2	30"-0-15 psi	5"/3 psi	0.5"/0.2 psi	\$75	\$75
LF45-30-1/4	LF45-30-1/2	30"-0-30 psi	10"/5 psi	1"/0.5 psi	\$75	\$75
LF45-60-1/4	LF45-60-1/2	30"-0-60 psi	10"/10 psi	1"/1 psi	\$75	\$75
LF45-30HG-1/4	LF45-30HG-1/2	30" - 0 Hg Vac.	3"	0.2"	\$75	\$75
1/4" NPT Model No.	1/2" NPT Model No.	Compound Scale Dial Ranges	Figure Intervals	Smallest Graduation	1/4" NPT Price	1/2" NPT Price
LF45-15P-1/4	LF45-15P-1/2	0-15 psi/0-100 kPa	1 psi	0.1 psi	\$60	\$75
LF45-30P-1/4	LF45-30P-1/2	0-30 psi/ 0-200 kPa	3 psi	0.2 psi	\$60	\$75
LF45-60P-1/4	LF45-60P-1/2	0-60 psi/0-400 kPa	5 psi	0.5 psi	\$60	\$75
LF45-100P-1/4	LF45-100P-1/2	0-100 psi/0-700 kPa	10 psi	1 psi	\$60	\$75
LF45-160P-1/4	LF45-160P-1/2	0-160 psi/0-1100 kPa	20 psi	2 psi	\$60	\$75
LF45-200P-1/4	LF45-200P-1/2	0-200 psi/0-1400 kPa	20 psi	2 psi	\$60	\$75
LF45-300P-1/4	LF45-300P-1/2	0-300 psi/0-2100 kPa	30 psi	2 psi	\$60	\$75
LF45-400P-1/4	LF45-400P-1/2	0-400 psi/0-2800 kPa	50 psi	5 psi	\$60	\$75
LF45-600P-1/4	LF45-600P-1/2	0-600 psi/0-4200 kPa	50 psi	5 psi	\$60	\$75
LF45-1000P-1/4	LF45-1000P-1/2	0-1000 psi/0-7000 kPa	100 psi	10 psi	\$60	\$75
LF45-1500P-1/4	LF45-1500P-1/2	0-1500 psi/0-10,500 kPa	200 psi	10 psi	\$60	\$75
LF45-2000P-1/4	LF45-2000P-1/2	0-2000 psi/0-14,000 kPa	200 psi	20 psi	\$60	\$75
LF45-3000P-1/4	LF45-3000P-1/2	0-3000 psi/0-21,000 kPa	500 psi	20 psi	\$60	\$75
LF45-5000P-1/4	LF45-5000P-1/2	0-5000 psi/0-35,000 kPa	500 psi	50 psi	\$60	\$75
LF45-10000P-1/4	LF45-10000P-1/2	0-10,000 psi/0-70,000 kPa	1000 psi	100 psi	\$60	\$75

Manometers

MODEL PM-9100

Compact manometer provides fast and accurate pressure readings in 8 selectable measuring units.

- 8 selectable measuring units: psi, mBar, kg/cm², mm/Hg, in/Hg, meter/wc, in/wc and atmosphere
- Dual differential inputs with internal sensors
- Large LCD readout with contrast adjustment
- Zero function for offset measurements
- Data Hold and Min/Max recall
- Auto power off
- RS232 serial interface
- Sampling Time: 0.8 second
- Hard carrying case included



Function	Range	Resolution	Accuracy
mbar	±2000	1	±2%f.s.
psi	±29	0.02	±1%f.s.
kg/cm ²	±2.040	0.001	±1%f.s.
mmHg	±1500	1	±1%f.s.
inHg	±59.05	0.05	±1%f.s.
mH ₂ O	±20.40	0.01	±1%f.s.
inH ₂ O	±802.0	0.5	±1%f.s.
Atmosphere	±1.974	0.001	±1%f.s.
Dimensions:	7.1 x 2.8 x 1.3"/180 x 72 x 32mm		
Weight:	12.2 oz/345g		

PM-9100	Manometer	\$295
SW-U801-WIN	Software	\$97
UPCB-01	RS-232 Cable	\$30
USB-01	USB Cable	\$68

MODEL ST-8890

Quickly verify filter condition, monitor cleanrooms, troubleshoot HVAC systems, or perform field calibrations with this digital manometer.

- Measure gauge and differential pressure for 0 to 5 psi
- 11 selectable units of measure: psi, in H₂O, bar, mbar, kPa, inHg, mmHg, oz in², ft H₂O, cmH₂O, kg cm²
- Dual LCD readouts with backlighting
- Min/Max/Avg recording with time stamp
- Data hold freezes the displayed reading
- Push button zero adjust and offset readings
- Low battery indication with auto power off
- RS-232 serial port
- Includes RS232 cable, tubing, hard carrying case and batteries



Pressure Ranges: 5.000 psi; 138.3 in H₂O; 0.344 bar; 344.7 mbar, 34.47 kPa; 1.018 inHg; 258.5 mmHg, 80.00 oz in²; 11.53 ft H₂O; 351.5 cmH₂O; 0.351 kg cm²
Resolution: 0.001 psi; 0.1 in H₂O; 0.001 bar; 0.1 mbar, 0.01 kPa; 0.01 inHg; 0.1 mmHg, 0.01 oz in²; 0.01 ft H₂O; 0.1 cmH₂O; 0.001 kg cm²
Accuracy: ±0.3% f.s.
Repeatability: ±0.2% f.s.
Hysteresis: ±0.29% f.s.
Max. Pressure: 5 psi
Response Time: 0.5 second
Power Supply: Single 9V battery

ST-8890	Manometer	\$195
BS-6	Tri-pod	\$59

MODELS 8230/82100

Digital manometer displays gauge or differential pressure in 11 selectable measuring units.

- Digital display of gauge or differential pressure
- Select from one of 11 different pressure units
- Data hold
- Max/Min Record
- Display backlight
- Auto power off
- Low battery indicator
- Simple fittings for hose connection
- Optional RS-232 interface
- Includes hard carrying case, 9V battery, connection hose and manual



Pressure Ranges: **8230:** 0 to 30 psi; **82100:** 0 to 100 psi
Maximum Pressure: **8230:** 60 psi; **82100:** 150 psi
Accuracy: ±0.3% of full scale at 25°C
Linearity & Hysteresis: ±0.29% FSO
Repeatability: ±0.2% FSO
Response Time: 0.3 msec
Temp. Compensation: 0 to 50°C
Power Supply: 9V alkaline battery, included
Dimensions: 2.8 x 7.2 x 1.2" (72 x 182 x 30 mm)
Weight: 5.5 oz (150g)

8230	Manometer, 0 to 30 psi	\$175
82100	Manometer, 0 to 100 psi	\$195
VZRS232BN	RS-232 Interface	\$79

Manometers

MODEL PS-9302

This pressure meter accepts 7 interchangeable transducers with ranges up to 5800 psi.

- 8 selectable measuring units: psi, bar, kg/cm², in/Hg, mm/Hg, meter/wc, in/wc and atmosphere
- Accepts 7 interchangeable transducers with ranges of 30, 75, 150, 300, 725, 1450 and 5800 psi (*Transducer sold separately*)
- Push-button transducer selection
- Zero function for offset correction
- Data Hold and Min/Max recall
- Auto power off
- RS232 serial interface
- Options: **SW-U801-WIN** Software, **UPCB-01** RS-232 Cable and **USB-01** USB Cable

Range	30psi	75psi	150psi	300psi	725psi	1450psi
mbar	0.002-2	0.005-5	0.1-10	0.2-20	0.05-50	01-100
psi	0.02-29	0.1-72.5	0.2-145	0.2-290	1-725	2-1450
kg/cm ²	0.002-2.040	0.005-5.095	0.01-10.19	0.02-20.40	0.05-50.95	0.1-101.9
mmHg	2-1500	5-3750	10-7500	20-15,000	50-37,500	100-75,000
inHg	0.05-59.05	0.1-147.6	0.2-295.2	0.5-590.5	1-1476	2-2952
mH ₂ O	0.02-20.40	0.05-50.95	0.1-101.9	0.2-204.0	0.5-509.5	1-1019
inH ₂ O	1-802	2-2006	5-4010	10-8020	20-20,050	50-40,100
Atmosphere	0.002-1.974	0.005-4.935	0.01-9.87	0.02-19.74	0.05-49.35	0.1-98.7

PS-9302	Manometer	\$325
PS100-30PSI	Pressure Transducer, 30 psi	\$269
PS100-75PSI	Pressure Transducer, 75 psi	\$269
PS100-150PSI	Pressure Transducer, 150 psi	\$269
PS100-300PSI	Pressure Transducer, 300 psi	\$269
PS100-725PSI	Pressure Transducer, 725 psi	\$269
PS100-1450PSI	Pressure Transducer, 1450 psi	\$269
PS100-5800PSI	Pressure Transducer, 5800 psi	\$299



MODELS 44S- 369 /-390

Sphygmomanometer-type pressure calibrator.

- Test the output of differential pressure (flow) readings while adjusting the calibration
- Accurate to $\pm 1.5\%$
- Lock in pressure readings by means of a check-valve thumb screw
- Consists of a sphygmomanometer-type (blood pressure) gauge, a hand-adjusted valve, a flexible hose and a 3/16" tube - 1/2" NPT compression fitting
- Weighs only 8 oz.



44S369	Pressure Calibrator, 0 to 16" H₂O	\$375
44S390	Pressure Calibrator, 0 to 180 psi	\$375

MODEL TP-5

This tire pressure gauge with LCD readout is easier to use than conventional tire pressure gauges.

- White LED lighted top helps you to find the stem easily
- Press yellow push button to turn gauge on
- Retains maximum tire pressure value
- Selectable measurement units: psi, kPa or bar



Pressure Range: 5 to 100 psi
Accuracy: $\pm(1\% + 0.5 \text{ psi})$

TP-5	Tire Pressure Gauge	\$19
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