



ASHCROFT



Mid-West
Instrument

K4580



Differential Pressure Gauges

- Available in pressure ranges from 15 to 0 to 100 in wc and 0 to 100 psid at Grainger.com

Dial gauges measure and display the difference in pressure between two points in a system.

Gauges for low operating pressure are designed for use with lower total static system pressure, as in systems with maximum working static pressure of 80 psig, 35 psi, or lower.

Gauges for medium and high operating pressure are for systems with maximum working static pressure of 500 psig and higher. Midwest Instrument Series 120 and 220 have piston-type actuators, which permit fluid migration, and are used primarily for liquid applications such as hydraulics, pumps, and heat exchangers. All other Series have diaphragm sensors that permit no bypass of fluid and can be used on air, gas, and liquids in applications such as water treatment and anhydrous ammonia.

Gauges with switches can be connected to a control system to respond when the measured pressure rises or falls below a set point. Allow monitoring and control of a system by a single instrument.

Gauges with air velocity have a dual scale that measures both in. wc (inches of water column) and air velocity in ft./minute. Diaphragm sensor. Commonly used with air and noncorrosive gases in applications such as blowers and exhaust systems where monitoring the velocity of gas through the system is critical.

					GAUGE Item No.	GAUGE WITH SWITCH Item No.
Series	Nominal Dial Size	Housing Material	►CHOOSE: Gauge Accuracy	Brand		
For Low Operating Pressure						
1/2 in NPT Female - Dual In-Line or Back						
1134	4 1/2 in	Glass Filled Nylon	±3%	Ashcroft	H8424	—
1/2 in NPT Female - Dual Back and In-Line						
1134	4 1/2 in	Glass Filled Nylon	±3%	Ashcroft	—	H8425
1/2 in NPT Female - Side						
A3000 Photohelic	4 in	Die Cast Aluminum	±4%, ±3%, ±2%	Dwyer	—	K4580
For Medium & High Operating Pressure						
1/4 in NPT Female - Back						
120	2 1/2 in	Aluminum	±3-2-3%	Midwest Instrument	D0754	K4582
		316L Stainless Steel	±3-2-3%	Midwest Instrument	D0755	K4583
		316 Stainless Steel	±3-2-3%	Midwest Instrument	—	K4584
		Aluminum	±3-2-3%	Midwest Instrument	—	K4585
130	4 1/2 in	316 Stainless Steel	±3-2-3%	Midwest Instrument	—	K4586
		Glass Reinforced Plastic	±5%, ±3-2-3%	Midwest Instrument	D7961	—
		316 Stainless Steel	±5%, ±3-2-3%	Midwest Instrument	G8762	—
		316 Stainless Steel	±3-2-3%	Midwest Instrument	D0747	K4588
140	2 1/2 in	Aluminum	±3-2-3%	Midwest Instrument	D0748	K4587
		316 Stainless Steel	±3-2-3%	Midwest Instrument	D0751	—
		Aluminum	±3-2-3%	Midwest Instrument	D0752	—
		Aluminum	±3-2-3%	Midwest Instrument	D0756	K4589
142	2 1/2 in	316 Stainless Steel	±3-2-3%	Midwest Instrument	D0757	K4590
		Aluminum	±3-2-3%	Midwest Instrument	D0758	—
		316 Stainless Steel	±3-2-3%	Midwest Instrument	D0759	—
1/4 in NPT Female - End						
220	4 1/2 in	316 Stainless Steel	±3-2-3%	Midwest Instrument	—	K4591
240		316 Stainless Steel	±3-2-3%	Midwest Instrument	—	K4593
1/4 in NPT Female - In-Line						
1130	3 1/2 in	Aluminum	±2%	Ashcroft	D0746	—
1132		Aluminum	±2%	Ashcroft	D0749	—
Series	Nominal Dial Size	Housing Material	Gauge Accuracy	Air Velocity Range	Brand	Item No.
Gauge with Air Velocity for Low Operating Pressure						
1/2 in NPT Female - Dual Side or Back						
2000 Magnahelic	4 in	Die Cast Aluminum	±2%	500 to 4,000 fpm, 1,000 to 5,600 fpm, 500 to 2,800 fpm, 300 to 2,000 fpm	Dwyer	K4579
Gauge with Switch For Low Operating Pressure						
1/2 in NPT Female - Side						
A3000 Photohelic	4 in	Die Cast Aluminum	±2%	500 to 4,000 fpm, 1,000 to 5,600 fpm, 2000 to 12,500 fpm	Dwyer	K4581



K4596



Digital Differential Pressure Gauges

- Available in pressure ranges from 20 to 0 to 100 in wc at Grainger.com
- 1/8" O.D. smooth-barb back connection
- NEMA 4X housing

Gauges measure and show the difference in pressure between two points in a system. Large 4-digit LCD display with 8 selectable engineering units. Easy 4 button operation with digital push button zero. Operate on 9 to 24V DC or included 9V battery. Commonly used to measure and monitor static pressures in ducts and buildings, filter status, and fan control.

Flow gauges measure the flow and velocity of air or gas across a system in addition to differential pressure.

Nominal Dial Size	Housing Material	Accuracy	Item No.
Flow Gauges For Air & Compatible Gases			
5 in	Glass Filled Plastic	±1.00%	K4595
Pressure Gauges For Air & Compatible Gases			
5 in	Glass Filled Plastic	±1.00%	K4596



K4645



K4647



K4649



Pressure Data Loggers

DICKSON

Water-resistant IP68 logger measures water, gas, or oil pressure. Displays 12 units of measure with user-selectable sampling rate. Data can be downloaded via USB cable or flash card. 1/4" NPT connection.

MONARCH TRACK-IT

Battery-powered, water-resistant IP67 loggers display and record pressure, vacuum, temperature, and parameter alone. Feature alarm set points and indicators, real time data, and Min./Max. readings are displayed live. Plugs into a USB port on a PC; allowing you to customize settings, transfer data, or view data in real time with the included Track-It software program. Include software, USB cable, and battery. 1/4" male NPT connection.

Pressure Range	Sample Point Storage	Digital Readout	Software Req.	Brand	Item No.
Pressure with Display					
0 to 100 psi, 0 to 300 psi, 0 to 500 psi	64,000	LCD	4LB62	Dickson	K4645
Pressure And Temperature with Display					
0 to 35 psia, 0 to 150 psia, 0 to 350 psia, 0 to 550 psia, 0 to 2000 psia, 0 to 5800 psia	130,000	LCD	Yes	Monarch	K4646
0 to 35 psig, 0 to 150 psig, 0 to 350 psig, 0 to 550 psig, 0 to 2000 psig, 0 to 5800 psig	130,000	LCD	Yes	Monarch	K4647
380 to 760 Torr, 0 to 760 Torr	130,000	LCD	Yes	Monarch	K4648
Pressure And Temperature					
0 to 150 psia, 0 to 350 psia, 0 to 550 psia	64,000	No	Yes	Monarch	K4649