

Digital Gauges for Expert Pressure Measurement



INTRODUCING THE ASHCROFT® DIGIGAUGE® FAMILY.

Ashcroft® pressure gauges have been the benchmark in pressure measurement for over 150 years...but make no mistake – these are not your father’s pressure gauges! In fact, they far surpass and outperform the competitive digital gauges on the market today.

Feature packed, with industry leading specs, these products meet a multitude of pressure measurement requirements. And, if we don’t have exactly what you need let us customize a solution for you! Check out a sample menu of available features:

DIGITAL PRECISION TEST GAUGE

- ▶ Unmatched accuracy of .05% full scale total error band including repeatability, linearity, hysteresis and temperature from 0/150° F
- ▶ Rugged, weatherproof, NEMA 4, IP65 case, CE, FM and CSA approved for intrinsically safe applications, Class I, Division 1
- ▶ Industry’s largest display height of .66" in industry’s smallest case of 3"
- ▶ Field recalibration capability
- ▶ Backlight display standard
- ▶ Seven languages

DIGITAL GENERAL PURPOSE GAUGE

- ▶ 1/2% full-scale terminal point accuracy
- ▶ 2 1/2" Noryl case (optional boot shown above)
- ▶ 4 1/2" digit display for enhanced resolution
- ▶ Nine engineering units
- ▶ Optional backlight display
- ▶ Min/max pressure indication
- ▶ Competitively priced and can be customized for OEM applications

DIGITAL INDUSTRIAL GAUGE

- ▶ 1/4% full-scale terminal point accuracy
- ▶ IP65 weatherproof case
- ▶ 3" stainless steel, 4 1/2" aluminum, 4 1/2" polypropylene cases
- ▶ Extra large .88" character size
- ▶ Menu-driven display for additional features and user customization
- ▶ Password protected calibration
- ▶ Optional backlight display
- ▶ Optional (1) or (2) SPDT switches
- ▶ Optional 4-20mA output with battery backup

See us on the web: www.flow-network.com

The New Digigauge® Family

1/2% GENERAL PURPOSE

1/4% INDUSTRIAL

.05% PRECISION



TYPE	D1005PS	2074 (battery) 2174 (4-20 loop) 2274 (line)	2089 (0.05% F.S. total error band accuracy). 2086 (0.10% F.S. total error band accuracy). 2084 (0.25% F.S. total error band accuracy)
Accuracy:	1/2% F.S.	1/4% F.S.	0.05%, 0.10% or 0.25% all F.S.
Case Size:	2 1/2"	3", 4 1/2"	3"
Case Material:	Noryl*	(3") 300 series SS (4 1/2") fiberglass reinforced thermoplastic (4 1/2") black painted aluminum	300 Series SS Electropolished
Wetted Materials:	17-4 PH stainless steel sensor; 316 stainless steel socket	17-4 PH stainless steel sensor; 316 stainless steel socket	316 Stainless Steel
Socket Size:	1/4 NPT	1/4 NPT, 1/2 NPT (4 1/2" case only) (others on appl.)	1/4 NPT M, JIS, DIN, SAE, (others on appl.)
Connection:	Lower (6 o'clock), 3, 9, 12 o'clock and G 1/4 DIN	Lower (6 o'clock), 3, 9 and 12 o'clock	Lower (6 o'clock), 3, 9 and 12 o'clock
Ranges:	30 psi, vacuum, compound, 9,999 psi (see engineering units for other units of measurement)	Vac. thru 20,000 psi including compound (see engineering units below for other units of measurement)	Vac. thru 7000 psi including compound (see engineering units below for other units of measurement)
Power Source:	Two AAA alkaline batteries	Battery (3") Two AA alkaline batteries (4 1/2") Two C alkaline batteries Loop powered 4-20mA Line powered, (12-36 Vdc, 1 amp)	Three AAA alkaline batteries
Battery Life:	1000 hrs	(3") >1000 hrs (4 1/2") >3600 hrs	>1000 hrs.
Operating Temp.:	14°F/140°F (-10°C/60°C)	14°F/140°F (-10°C/60°C)	Temperature corrected from 0/150°F (-18/63°C)
Storage Temp.:	-4°F/158°F (-20°C/70°C)	-4°F/158°F (-20°C/70°C)	-40/180°F (-40/82°C)
Agency Approvals:	CE, EN 61326 (1998)	CE, EN 50082-1 (1997), FM, CSA, CENELEC - ATEX 100 (all approvals pending)	CE, EN 50082-1 (1997), FM, CSA, CENELEC - ATEX 100 (approval pending)
DISPLAY			
Type:	LCD	LCD	LCD
Display Digits:	4 1/2	5	5
Character Height:	0.5"	(3") .60", (4 1/2") .88"	.66"
Backlight:	Optional	Optional	STD
KEYPAD FUNCTIONS			
On/Off:	Manually turns unit on and off, four options; never, 5 min, 10 min, 20 min	Manually turns unit on and off, four options; never, 2 min, 5 min, 15 min, 30 min	Manually turns unit on and off, four options; never, 2 min, 5 min, 10 min, 20 min
Backlight:	Five auto off options: Immediate, on/off, 30 sec., 1 min., 5 min.	Five auto off options: Never, 2, 5, 10 or 30 sec., 1 min.,	Five auto off options: On/off, 10 sec., 30 sec., 1 min., 5 min.
Min/Max. (Peak Hold):	Displays/stores min./max. value when activated	Displays/stores min./max. values	Displays/stores min./max. values when displayed
Zero/Clear:	Zeros display or clears max. values	Zeros display or clears min. and max. values	Zeros display or clears min. and max. values
Engineering Units:	psi, in.Hg, cmHg, mmHg, kPa, mPa, Bar, kg/cm², ft H ₂ O	psi, mmHg, in.H ₂ O with three temperature options: 20°C, 60°F, 4°C, mBar, in Hg, ftH ₂ O, mPa, kPa, kg/cm² and Bar	psi, in.Hg, in.H ₂ O, ftSW, Bar, mBar, kPa, mPa, mmHg, cmH ₂ O, mmH ₂ O, kg/cm²
Field Calibration:	Zero and span	Password protected, zero, midpt and span	Password protected, zero and span
Switching: (with 2274 only)	N/A	(1) or (2) SPDT switches, Max contact rating: 30 Vdc-1 amp, 25Vac .5 amp	N/A
Options:		Many options including: diaphragm seals, 3" flying leads, battery backup	

Need help with your application or to place an order?

Phone: (770) 917-0940 or Email: Sales@Flow-Network.com

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