

## Ashcroft® Digital Gauge 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!



Types 2074, 2174 & 2274  
1/4" DIGITAL INDUSTRIAL  
GAUGE 3" or 4 1/2" CASE SIZE

Types 2089, 2086 & 2084  
.05% DIGITAL PRECISION  
TEST GAUGE

Type DG25  
0.5% GENERAL PURPOSE  
DIGITAL GAUGE

### DIGITAL PRECISION TEST GAUGE Types 2089, 2086 & 2084

- Unmatched accuracy of 0.05%, 0.1%, 0.25% full scale total error band including repeatability, linearity, hysteresis and temperature from 0/150° F
- Rugged, weatherproof, NEMA 4, IP65 case, CE, FM, CSA (FM/CSA approval not available on vacuum range & compound ranges up to 15 psi)
- Industry’s largest display height of .66" in industry’s smallest case of 3", composed of stainless steel
- Field recalibration capability
- Backlight display standard
- Seven languages

### DIGITAL INDUSTRIAL GAUGE Types 2074, 2174 & 2274

- 0.25% 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

#### Type 2274 Only

- Optional (1) or (2) SPDT switches
- Optional 4-20mA output with battery backup

### DIGITAL GENERAL PURPOSE GAUGE Type DG25

- 0.5% terminal point accuracy (0.25% optional)
- Five-digit LCD display with large .48" character size
- 20 segment new bar graph display
- Nine engineering units of measure plus one user programmable unit
- Capable of measuring gauge, vacuum and compound ranges from -14.7 psi through 25,000 psi
- IP67 weatherproof enclosure
- CE compliant, RoHs compliant, UL and cUL 61010-1
- Versatile and economical choice for a wide variety of applications
- Easily customizable key pad, upon request

# Ashcroft® Digital Gauge Family

	0.5% GENERAL PURPOSE	¼% INDUSTRIAL	.05% PRECISION
<b>TYPE</b>	DG25	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)
<b>Accuracy:</b>	0.5% F.S.	0.25% F.S.	0.05%, 0.10% or 0.25% all F.S.
<b>Case Size:</b>	2½"	3", 4½"	3"
<b>Case Material:</b>	Polycarbonate/ABS	(3") 300 series SS (4½") fiberglass reinforced thermoplastic (4½") black painted aluminum	300 Series SS Electropolished
<b>Wetted Materials:</b>	17-4 PH stainless steel sensor; 316L stainless steel socket, laser welded	17-4 PH stainless steel sensor; 316 stainless steel socket	316 Stainless Steel
<b>Socket Size:</b>	¼ NPT standard (others on application)	¼ NPT, ½ NPT (4½" case only) (others on appl.)	¼ NPT M, JIS, DIN, SAE, (others on appl.)
<b>Connection:</b>	Lower 6 o'clock	Lower (6 o'clock), 3, 9 and 12 o'clock	Lower (6 o'clock), 3 and 9 o'clock
<b>Ranges:</b>	psi and bar ranges from -14.7 to 25,000 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)
<b>Power Source:</b>	Two AA alkaline batteries	Battery (3") Two AA alkaline batteries (4½") Two C alkaline batteries Loop powered 4-20mA Line powered, (12-36 Vdc, 1 amp)	Three AAA alkaline batteries
<b>Battery Life:</b>	2000 hrs minimum	(3") >500 hrs, (4.5") <2500 hrs	>1000 hrs.
<b>Operating Temp.:</b>	-4°F/140°F (-20°C/60°C)	14°F/140°F (-10°C/60°C)	Temperature corrected from 0/150°F (-18/63°C)
<b>Storage Temp.:</b>	-4°F/140°F (-20°C/60°C)	-4°F/158°F (-20°C/70°C)	-40/180°F (-40/82°C)
<b>Agency Approvals:</b>	CE compliant, RoHs compliant, UL and cUL 61010-1	CE, EN 50082-1 (1997), FM/CSA, (optional)	CE, EN 50082-1 (1997), FM, CSA (FM/CSA approval not available on vacuum range & compound ranges up to 15 psi)
<b>DISPLAY</b>			
<b>Type:</b>	LCD	LCD	LCD
<b>Display Digits:</b>	5	5	5
<b>Character Height:</b>	0.48" upper, 0.24" lower	(3") .60", (4½") .88"	.66"
<b>Backlight:</b>	Optional	Optional	STD
<b>KEYPAD FUNCTIONS</b>			
<b>On/Off:</b>	Manually turns unit on and off, four auto-off 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
<b>Backlight:</b>	Optional with programmable auto-off time	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.
<b>Min/Max. (Peak Hold):</b>	Displays/stores min./max. value when activated	Displays/stores min./max. values	Displays/stores min./max. values
<b>Zero/Clear:</b>	Zeros display or clears max. values	Zeros display or clears min. and max. values	Zeros display or clears min. and max. values
<b>Engineering Units:</b>	psi, bar, inHg, cmHg, mmHg, kPa, mPa, kg/cm <sup>2</sup> , ft H <sub>2</sub> O	psi, mmHg, in.H <sub>2</sub> O with three temperature options: 20°C, 60°F, 4°C, mBar, in Hg, ftH <sub>2</sub> O, mPa, kPa,	psi, in.Hg, in.H <sub>2</sub> O, ftSW, Bar, mBar, kPa, mPa, mmHg, cmH <sub>2</sub> O, mmH <sub>2</sub> O, kg/cm <sup>2</sup>
<b>Field Calibration:</b>	Zero midpoint and span	Password protected, zero, midpt and span	Password protected, zero and span
<b>Switching: (with 2274 only)</b>	N/A	(1) or (2) SPDT switches, Max contact rating; 30 Vdc-1 amp, 25Vac .5 amp	N/A
<b>Options:</b>		Many options including; diaphragm seals, 3' flying leads, battery backup	