

- **A Multi-Functional Digital Gauge with Optional:**
  - 4/20mA Output
  - (1) or (2) SPDT Switches
- **±.25% of Span Terminal Point Accuracy (.13% BFLS)**
- **IP 65 Weatherproof Case**
- **Three Case Options: Stainless Steel, Fiberglass Reinforced Thermoplastic or Aluminum**
- **Extra Large Display**
- **Intrinsically Safe, Class I, Div. 1 (pending)**

**PRODUCT SPECIFICATIONS**

<b>Type:</b>	2074 (battery) 2174 (loop) 4-20mA 2274 (line)
<b>Accuracy:</b>	±.25% of span, terminal point
<b>Case Size:</b>	3", 4 1/2"
<b>Case Material:</b>	3" stainless steel, 4 1/2" fiberglass reinforced thermoplastic or black epoxy coated aluminum
<b>Case Encl. Rating:</b>	Weatherproof, IP65
<b>Wetted Materials:</b>	17-4 stainless steel (sensor), 316 stainless steel (socket)
<b>Socket Size:</b>	1/4 or 1/2 NPT, JIS, DIN, SAE, (1/2 NPT only with 4 1/2" case, others on application)
<b>Socket Location:</b>	Lower, 3, 9 and 12 o'clock
<b>Ranges:</b>	15 psi/Vac. thru 20,000 psi (see engineering units below for other units)
<b>Operating Temp.:</b>	14/140°F (10/60°C)
<b>Temp. Error:</b>	(Zero & Span) .04%/°F ( $<.02\%$ °F Typical)
<b>Storage Temp.:</b>	-4/158° (-20°/70°F)
<b>DISPLAY</b>	
<b>Type:</b>	LCD
<b>Display Digits:</b>	Five (5)
<b>Character Height:</b>	3" case: .60", 4 1/2" case: .88"
<b>Backlite:</b>	Optional
<b>Bar Graph:</b>	Yes
<b>Battery Life:</b>	3" >1000 hrs., 4 1/2" >3600 hrs.
<b>Agency Approvals:</b>	CE, FM (Intrinsically Safe Class I, Div 1) CSA and CENELEC (pending)

**KEYPAD FUNCTIONS**

<b>On/Off:</b>	Manually turns unit on and off (auto off options in menu)
<b>Zero/Clear:</b>	Zeros display or clears min. and max. values when displayed
<b>Min/Max ▼ (down) Arrow Key:</b>	Stores min & max values, arrow key allows for scrolling thru menu items
<b>Menu Key:</b>	Provides access to menu options
<b>Backlite ▲ (up) Arrow Key:</b>	Manually turns backlite on and off (auto off options in menu), arrow key allows for five menu options.
<b>(Backlite optional)</b>	▲ (up) arrow key allows for scrolling thru menu options
<b>Enter:</b>	Selects items in the menu

**MENU MODE**

**Engineering Units:** 10 units of measurement are available: psi, In. H<sub>2</sub>O (with three temp. options: 20°C, 60°F, 4°C\*), Ft. H<sub>2</sub>O, mPa, mBar, kPa, kg/cm<sup>2</sup>, Bar, inHg and mmHg

- **Easy-to-Use Menu Options: (all password protected)**
  - Five Backlite Display Options
  - Twelve Engineering Units
  - Menu Configure Feature
  - Update Rate
  - Dampen Rate
  - Auto-Off



<b>Configuration Mode:</b>	Allows for changes to default settings of gauge
<b>(Config):</b>	Including zero disable feature
<b>Bar Graph (Graph):</b>	Allows for adjustment of bargraph and 4-20 (optional feature)
<b>Auto Off (Off):</b>	Allows for changes to auto off of gauge, five options: Never, 2 min., 5 min., 15 min., 30 min.
<b>Update Rate (Update):</b>	Four options: 100 ms, 200 ms, 500 ms, 1 sec
<b>Dampening (Damp):</b>	Six options: None, average, 2, 4, 6, 8 times per 100ms
<b>Backlite:</b>	Five options: Never, 10 sec., 30 sec., 1 min., 5 min.
<b>Field Recalibration:</b>	Allows for recalibration of zero, mid-scale and span (password protected)

**OPTIONS**

Description	Code	Case Size
<b>Case Options</b>		
Aluminum Case (black epoxy coated) (Glass reinforced thermoplastic case standard)	AY	4 1/2" only
Electropolished Case (Brushed SS case standard)	EC	3" only

**DIGITAL INDUSTRIAL GAUGE RANGES:**

psi	In. Hg (vacuum)	Comp. (psi)	mmHg (pressure)	In. Hg (pressure)	In. H <sub>2</sub> O	mBar	ft. H <sub>2</sub> O	mPa	kPa	Bar/ KSC
15	30	15#&Vac	800	30	400	1000	60	1	100	1
30		30#&Vac	1000	60	800	1500	160	1.6	160	1.6
60		60#&Vac	2000	100	1000	2000	200	2.5	250	2.5
100		100#&Vac	3000	160		2500	300	4	400	4
160			5000	200		4000	400	6	600	6
200			10,000	300		5000	600	10	1000	10
300				400		6000	1000	16	1600	16
600				600		10,000		25	2500	25
800				800		15,000		40	4000	40
1000						20,000		60	6000	60
1500								100	10,000	100
2000								140	16,000	160
3000									25,000	250
5000									40,000	400
8000									60,000	600
10,000									100,000	1000
15,000									140,000	1400
20,000										

**TO ORDER THIS DIGITAL INDUSTRIAL GAUGE:**

- Select:**
1. Dial Size: 3" 30
2. Type: 2074 2074
3. Wetted parts: 316 SS SD
4. Connections: 1/4 NPT Lower XXX\*
5. Range: 100 psi 100#

\*See options chart

Consult factory for guidance in product selection  
Phone (203) 385-0217, Fax (203) 385-0602 or  
visit our web site at [www.ashcroft.com](http://www.ashcroft.com)