

- **A Multi-Functional Digital Gauge with Optional:**
 - 4/20mA Output
 - (1) or (2) SPDT Switches
- **¼% Full Scale 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 1, Div. 1, pending**
- **Easy-to-Use Menu Options:** (all password protected)
 - Five Backlite Display Options
 - Twelve Engineering Units
 - Menu Configure Feature
 - Update Rate
 - Dampen Rate
 - Auto-Off

Digital Industrial Gauge, Types 2074, 2174 and 2274



**NOW
AVAILABLE WITH
CE & FM AGENCY
APPROVALS**

ISO 9001
REGISTERED FIRM

DRESSER

Instruments

BULLETIN DIG-1

FOR THE BEST DIGITAL CHOOSE THE ASHCROFT

At last, a multi-functional gauge from the experts in pressure measurement

When any combination of local indication, a 4-20mA signal and switching are required to meet your needs, the Ashcroft® digital industrial gauge provides the solution.

THE MULTI-FUNCTIONAL SOLUTION SAVES MONEY, TIME AND SPACE...

- Battery powered local indication standard
 - Optional 4-20mA output with turndown adjustable within range of gauge*
 - Optional line powered (12-36 Vdc)
 - Optional (1) or (2) SPDT switches with deadband adjustable to pressure range of gauge
- *Accuracy based on full scale range of gauge

The benefit, one digital pressure gauge replaces three instruments... mechanical pressure gauge, transducer and switch

- Saves installation costs
- Saves on instrument costs
- Save on additional pipe cut-out(s)
- Save space

INDUSTRY LEADING FEATURES

Rugged design

- Three case styles: all welded stainless steel, fiberglass reinforced thermoplastic or cast aluminum case
 - Weatherproof, NEMA4 (pending), IP 65 case
 - SS and aluminum case offered with FM certification, Class 1, Div. 1 (pending)
- Polyester window protects display from damage
- Strain relief to protect wiring while replacing batteries

Industry leading display

- Extra large display height of .88" (4½" case)
- Five digit display
- 12 units of measure
- % of range bar graph

Safety

- Meets ASME B40.7
- Pressure range on keypad and bar graph reduces accidental overpressure
- Proof pressure = 2X gauge range

Breakthru AccuSeal™ Gauge Isolator*

- Integral to gauge
 - Virtually eliminates process dead-leg
 - Eliminates need for standard diaphragm seal
 - Eliminating seal reduces temperature error
- *Available soon



.88" high digital display (4½" case)

Press to display minimum or maximum pressure gauge measured by



Range on keypad, complies with ASME B40.7 to reduce the possibility of accidental overpressure

INDUSTRIAL GAUGES, DIGIGAUGE® FAMILY.

Bar graph % of full scale range

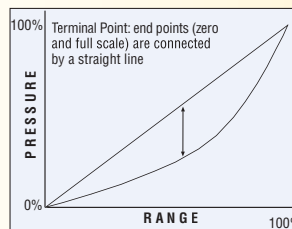


Battery level indicator

- Optional:**
- 4-20mA output (adjustable within pressure range)
 - Line power (12/36Vdc, 1 amp)
 - (1) or (2) SPDT switch(es) (adjustable to 100% of pressure range)

What you should know about digital gauge accuracy...Terminal Point versus Best Fit Straight Line Accuracy.

Ashcroft 2070 Series Digital Gauge with Terminal Point Accuracy

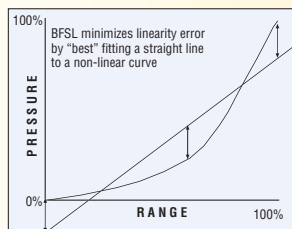


BENEFIT

- All points between zero and full-scale will be within stated accuracy
- Allows zeroing of gauge at start-up to eliminate any sensor offset

Competitive Digital Gauges with Best Fit Straight Line (BFSL) Accuracy

- Linearity error minimized by "best" fitting a straight line to a non-linear curve
- BFSL gauges may have a zero offset at calibration that must be maintained to ensure accuracy throughout range



PROBLEM WITH BFSL

- Re-zeroing gauge may invalidate published accuracy specification
- Zero offset at start-up may be the result of either:
 - BFSL Calibration
 - Zero Drift

OPTIONS		
Description	Code	Case Size
Case Options		
Aluminum Case (black epoxy coated) (Glass reinforced thermoplastic case standard)	AY	4½" only
Electropolished Case (Brushed SS case standard)	EC	3" only
Switch Options		
(1) SPDT Switch (12-36Vdc)	U1	3", 4½"
(2) SPDT Switch (12-36Vdc)	U2	3", 4½"
Line Power with 4-20mA output (Line power (Type 2274) required for switching options.) (Terminal blocks standard with 4½" case.) (Flying leads standard with 3")	A0	3", 4½"
Wiring Options		
Flying leads (Terminal blocks standard with 4½" case.) Flying leads standard with 3" case.	EN	4½"
Keypad Options		
Backlite	BL	3", 4½"
Miscellaneous Options		
Battery Backup (Battery standard with Type 2074) (Available with Types 2174 & 2274)	BK	3", 4½"
Weatherproof ABS Gauge Carrying Case	S7	3" only
Protective Rubber Boot (black)	B1	3" only
Protective Rubber Boot (orange)	B2	3" only
Protective Front Cover	PP	3" only
AccuSeal™ (½ NPT lower only)	SU	4½" only

