

Type 2030 Series Digital Sanitary Gauge



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

The new Ashcroft® sanitary digital gauge saves money, time and space. Now, one digital pressure gauge can replace three instruments... a mechanical pressure gauge, a transducer and a switch! Save space, installation costs and the cost of additional instruments and pipe cut-outs.

Industry Leading Features Include:

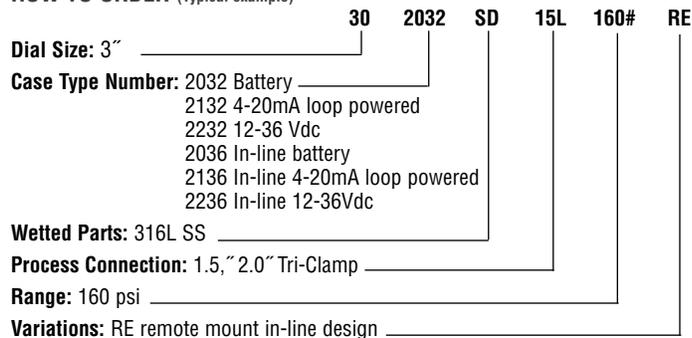
- 4/20 mA Output
- (1) or (2) SPDT Switches
- .25% F.S. Terminal Point Accuracy (.13 BFSL)
- IP 65 Weatherproof Case Suitable For Wash Downs
- Extra Large Display
- Easy-to-Use Password Protected Menu With:
 - 5 Backlite Display Options
 - 12 Engineering Units
 - Menu Configure Feature
 - Update Rate
 - Dampen Rate
 - Auto-Off
- Material Traceability Certification to EN 10204: 2004 3.1

The new Ashcroft® sanitary digital gauge has been designed to monitor pressures in critical pharmaceutical, biotech or food processing applications when a Tri-Clamp® type of connection is required. These gauges can be cleaned and steamed in place (CIP/SIP) and meet ASME B40.7. When there are requirements for a remote mount digital sanitary gauge and temperature error is a concern, the unique Ashcroft Type 2030 series is offered with an optional remote-mount design. This unique design eliminates additional temperature error caused by conventional capillary between the gauge and seal. These digital sanitary gauges come standard with material traceability certification to EN 10204: 2004 3.1

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Tri-Clamp® is a registered trademark of Tri-Clover

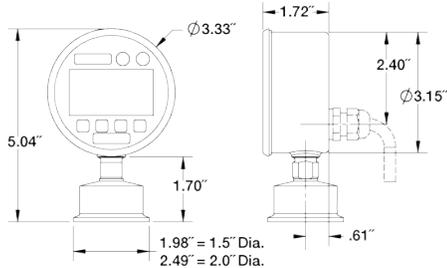
HOW TO ORDER (Typical example)



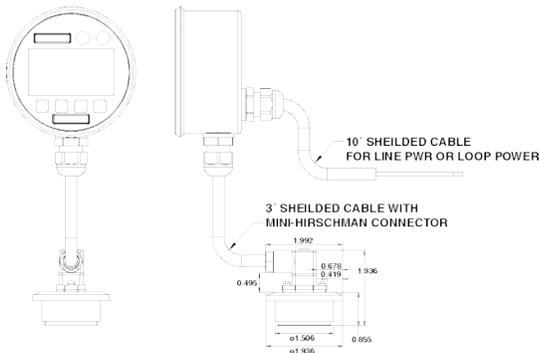
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DIMENSIONS

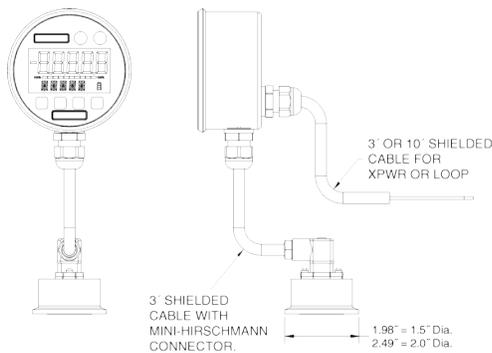
Types 2032, 2132 or 2232 with 1½" or 2" diameter seal



Types 2136 or 2236 with remote seal (XRE variation)



Types 2132 or 2232 with remote seal (XRE variation)



RANGES

| psi | in. Hg (vacuum) | Comp. (psi) | mmHg (pressure) | in. Hg (pressure) | in. H ₂ O | mBar | ft. H ₂ O | mPa | kPa | Bar/KSC |
|------|-----------------|-------------|-----------------|-------------------|----------------------|--------|----------------------|-----|------|---------|
| 15 | 30 | -15/0/15 | 800 | 30 | 400 | 1000 | 60 | 1 | 100 | 1 |
| 30 | | -15/0/30 | 1000 | 60 | 800 | 1500 | 160 | 1.6 | 160 | 1.6 |
| 60 | | -15/0/60 | 2000 | 100 | 1000 | 2000 | 200 | 2.5 | 250 | 2.5 |
| 100 | | -15/0/100 | 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 |

ISO 9001
REGISTERED FIRM

BULLETIN DSG-1

SPECIFICATIONS

| | |
|--|--|
| Type | Conventional Tri-clamp: 2032 (battery), 2132 ⁽¹⁾ (4-20mA), 2232 ⁽¹⁾ (line) In-line Tri-clamp: 2036 (battery), 2136 (4-20mA), 2232 (line) |
| Accuracy: Terminal Point Full Scale | .25% F.S. Accuracy: |
| Case Size | 3" |
| Case Material/Finish | (3') 300 series SS, Electropolished |
| Case Enclosure Rating | Weatherproof, IP65, NEMA 4 |
| Wetted Parts | 316 SS |
| Tri-Clamp Connection | Direct, in-line 1½", 2", Ashcroft remote in-line (XRE), |
| Seal Surface Finish | 12-20Ra |
| Connection Location | Lower |
| Ranges | 15 psi thru 1,000 psi including metric, compound & vac |
| Process Temp. Limits⁽²⁾ | 14°F / 275°F (-10°C / 135°C) to withstand clean in place (CIP) & steam in place (SIP) |
| Ambient Temp. Limits⁽³⁾ | 14°F / 140°F (-10°C / 60°C) |
| Temperature Error | ± .22% per 10°F, (12°F) (Span and Zero shift can be eliminated by rezeroing the gauge at operating temperatures. <i>Temperatures must be within process temperature limits</i>) |
| Storage Temperature | -4°F / 158°F (-20°C / 70°C) |
| Overrange Pressure | 2x range of gauge |

DISPLAY

| | |
|-------------------------|---|
| Type | LCD |
| Display Digits | 5 Digits |
| Character Height | .60" |
| Backlite | Off By Default |
| Bar Graph | Yes |
| Battery Life | 1000 Hrs., Battery Life Indicator - standard |
| Agency Approvals | CE (excludes XRE variation) Material Traceability Certification to EN 10204: 2004 3.1 standard |

KEYPAD FUNCTIONS

| | |
|--------------------------------------|---|
| On/Off | Manually Turns Unit On & Off (auto off options in menu) |
| Zero/Clear | Zeros Display or Clears Min/Max Values When Displayed |
| Min/Max Arrow Key | Stores Min & Max Values, Arrow Key allows for scrolling thru Menu items |
| Menu | Allows for changes to default settings (See Below) |
| Backlite (optional) Arrow Key | Manually Turns Backlite On & Off (auto off options in menu), Arrow Key allows for scrolling thru Menu items |
| Enter | Selects Items In the Menu |

MENU MODE

| | |
|-----------------------------------|---|
| Engineering Units (Units) | Allows Scrolling Through Menu To Select Available Options 10 units of measurement are available psi, inH ₂ O with 3 temp. options: 20°C, 60°F, 4°C*, mmHg, fth ₂ O, mPa, kPa, kg/cm ² & bar |
| Configuration Mode(Config) | Allows for changes to default settings of gauge |
| Bar Graph (Graph) | Allows for adjustment of bargraph & 4-20(optional feature) |
| Auto Off (Off) | Allows for changes to auto off of gauge 5 Options: 30 Min., 10 Min., 5 Min., 2 Min., Never |
| Update Rate (Update) | 4 Options: 100milli-sec, 1sec, 500milli-sec, 200milli-sec, |
| Dampening (Damp) | 6 Options: None, Average 8, 6, 4, 2 times per 100ms |
| Backlite Lit (optional) | 5 options: NEVER, 10 sec, 30, sec, 1 min, 5 min. |
| Zero Disable | Zero "lockout" feature |
| Field Recalibration | Zero, Span & Midscale (password protected) |
| Calibration | Allows for recalibration of zero & span (includes factory default calibration) |

OPTIONS

| | |
|--------------------------|--|
| 4-20mA Display | |
| Line Powered | 12-36 Vdc |
| Switching | (XU1 code) (1) or (XU@ code) (2) SPDT switches, (requires line power), (max. contact 30Vdc, 1 amp, 125Vac, .5 Amp) Switches adjustable to 100% of range |
| Remote Mount Seal | (RE code) standard with 10' shielded cable |

Notes (1) 3' shielded cable standard
(2) Rezero gauge often after exposure to elevated temperatures and use.
(3) The 2030 Series Digital Gauge is not suitable for an autoclave.

All specifications are subject to change without notice.
All sales subject to standard terms and conditions.
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