SPAN[™] Liquid Filled Industrial Gauge - 3.5"

Overview

Span gauges are designed for rugged service application Liquid fill fluid dampens the gauge pointer movement fo improved readings and longer life, making these gauges ideal for high shock and vibration applications.

Its Zytel case and ring offer good appearance and excellent resistance to chemical, weather, and corrosion attack.

The Span gauge has many optional features that allow a user to develop a basic or special product specification.

Benefits

- "Fully Filled": The internal "breathing diaphragm" eliminates the need for an air bubble in the mid-range of the gauge, which can distort readings and looks unsightly. The ICD is standard on all 31/2" models.
- Temperature compensated: The ICD compensates the case (to 150F) for changes in internal case pressure caused by fluctuations in ambient temperature. (Especially critical in lower pressure and vacuum gauges.)

Options

- Freeze Proof: The KEM-X Socket Saver is an internal diaphragm seal to prevent freezing, clogging, and corrosion. It is available on all SPAN gauges.
- Lighted Dial: Span offers the only lighted and liquid filled gauge. 12 or 24 volt incandescent and LED in white, blue, green, or red.

Applications

- Mobile Hydraulic Equipment Chemical Processing
- Water Purification/Irrigation
- Waste Water/Slurry
- Bulk Transport Trailers
- Military, Marine



LFC-312 Span 3.5" Liquid Filled Industrial Gauge

> LFS-312 Span 3.5" Liquid Filled Industrial Gauge

SPAN



| Case | Zytel Nylon – Black |
|---------------------|---|
| Bezel | Zytel Nylon – Removable |
| Socket | 316 Stainless Steel - TIG Welded |
| Socket O-Ring | EPDM |
| Bourdon Tubes | Vac to 1000 PSI 316 Stainless Steel "C" Tube 1500 to 15000 Stainless Spiral Tube |
| Pressure Connection | ¼" NPT Male (JIC Optional) |
| Lens | Acrylic |
| Pointer | Black Aluminum |
| Movement | Precision Swiss Movement |
| Dial | White Aluminum |
| Fill fluid | High Purity Glycerin |
| Ranges | Vacuum, Compound to 15000 PSI |

| Dial Ranges and Intervals | S | | | | |
|---------------------------|-------------|------------|---------------------|----------|-------|
| Standard Dial Range | Numbered | Minor | Standard Dial Range | Numbered | Minor |
| 30" Hg | 5" | .5" | 0-200 | 20 | 2 |
| 30-0-15 | 10"-3 psi | 2"-1 psi | 0-300 | 50 | 5 |
| 30-0-30 | 10"-5 psi | 2"-1 psi | 0-400 | 50 | 5 |
| 30-0-60 | 30"-10 psi | 2"-1 psi | 0-600 | 100 | 10 |
| 30-0-150 | 30"-20 psi | 5"-2 psi | 0-1000 | 100 | 10 |
| 30-0-300 | 30"-50 psi | 10"-5 psi | 0-1500 | 300 | 20 |
| 30-0-600 | 30"-100 psi | 15"-10 psi | 0-2000 | 200 | 20 |
| 0-15 | 2 | .2 | 0-3000 | 500 | 50 |
| 0-30 | 5 | .5 | 0-5000 | 500 | 50 |
| 0-60 | 10 | 1 | 0-6000 | 1000 | 100 |
| 0-100 | 10 | 1 | 0-7500 | 1500 | 100 |
| 0-160 | 20 | 2 | 0-10000 | 1000 | 100 |
| | | | 0-15000 | 2000 | 200 |

Thuemling Instrument Group

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SPAN™ Liquid Filled Industrial Gauge - 3.5"

Performance Data

| Accuracy | 1% Full Scale Grade 1A | | |
|-----------------|------------------------|--|--|
| Design | ANSI/ASME B40.1 | | |
| Operating Temp. | -40 to 150F | | |

Temperature Error

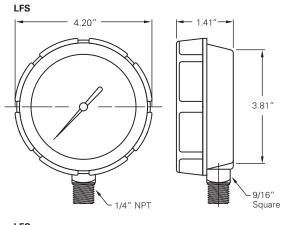
Additional error when temperature changes from reference temperature of 68F (20C) +-0.4% for every 18F (10C) rising or falling as a percentage of Span.

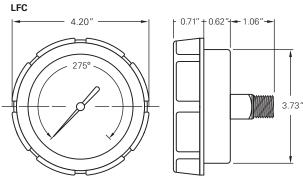
Weather Protection

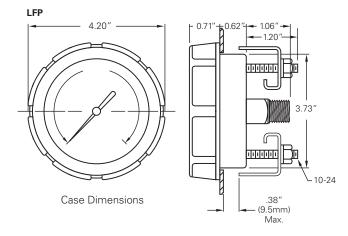
Weather tight (NEMA 4X / IP 65)

Optional Extras

| ICD | = | Internal Temperature Compensating Diaphragm | |
|------------|---|--|--|
| | | Compensating Diaphragin | |
| IPG | = | Lighted Dial | |
| IB | = | KEMX Buna-N Diaphragm | |
| IV | = | KEMX Viton - Diaphragm | |
| IE | = | KEMX EPDM - Diaphragm | |
| SCK | = | Threaded Socket Restrictor | |
| CERT | = | NIST Certified with Calibration Points | |
| SFB | = | Chrome Bezel | |
| RECAL | = | Slotted Adjustable Pointer | |
| 02C | = | Oxygen Cleaning | |
| GL | = | Glass Lens | |
| STUD | = | Back Mount Studs for Wall Mounting | |
| DM | = | Dampened Movement | |
| OEM | = | Custom Dials | |
| JIC | = | #4 JIC Process Connection | |
| Duel Scale | = | Call for Availability | |







| Ordering Number for 3.5" Span Gauge - Construct by selecting one item from each of the columns below: | | | | | | |
|---|------------------|---------------|---|-------|---------------------|---------------------|
| Configuration | Dial Size | Accuracy | Wetted Parts | Range | Fill | Options |
| LFS = Stem Mount Bottom | 3 = 3-1/2 | 1=1% Accuracy | 2 = 316L Stainless Steel Tube and Socket | / | G = Glycerin Filled | From Option List |
| LFC = Center Back Mount | : : : : | | | | D = Dry No Fill | |
| LFP = Panel Mount U-Clamp | | | | | | |
| Example: LFS - | 3 | 1 | 2 - | 100 – | G | IB |

(LFS-312-100-G-IB)



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