

SPAN™ Liquid Filled Sub-Sea Gauge – 2.5"

Overview

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

The 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

- "ICD" patented internal breathing diaphragm allows gauge to be fully filled. Excellent in angled panel mounting applications. ESSENTIAL in any sub-sea or ROV deep water applications. The ICD is standard on all SPAN Sub-Sea gauges.
- Temperature/Pressure 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.) The ICD also compensates the case for external pressure in Sub-Sea deep water applications. A SPAN exclusive feature.

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.
- Any SPAN gauges can be serialized and certified traceable to N.I.S.T. accuracy standards with Test Points.

Applications

- Sub-Sea Applications
- Military, Marine
- ROV Equipment and Panels
- Mobile Hydraulic Equipment

Dial Ranges and Intervals

Standard Dial Range	Numbered	Minor
0-15	3	.5
0-30	5	.5
0-60	10	1
0-100	10	1
0-160	40	5
0-200	20	2
0-300	50	5
0-400	50	5
0-600	100	10
0-1000	200	20



SUB/LFC-212 Span 2.5" Liquid Filled Industrial Gauge



SUB/LFS-212 Span 2.5" Liquid Filled Industrial Gauge

Construction Data

Case	Zytel Nylon – Black
Bezel	Zytel Nylon – Removable
ICD	Internal Compensating Diaphragm
Socket	316 Stainless Steel - TIG Welded
Socket O Ring	HNBR
Bourdon Tubes	Vac to 1000 PSI 316 Stainless Steel "C" Tube 1500 to 20000 Stainless Spiral Tube
Pressure Connection	¼" NPT Male
Lens	Acrylic
Pointer	White Aluminum
Movement	Precision Swiss Movement
Dial	Black Aluminum w/ White Markings
Fill fluid	High Purity Glycerin
Ranges	Vacuum, Compound to 20000 PSI

Standard Dial Range	Numbered	Minor
0-1500	250	50
0-2000	400	50
0-3000	500	100
0-5000	1000	100
0-6000	1000	100
0-7500	1500	100
0-10000	1000	100
0-15000	2000	200
0-20000	4000	500

Thuemling Instrument Group

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Performance Data

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

Temperature Error

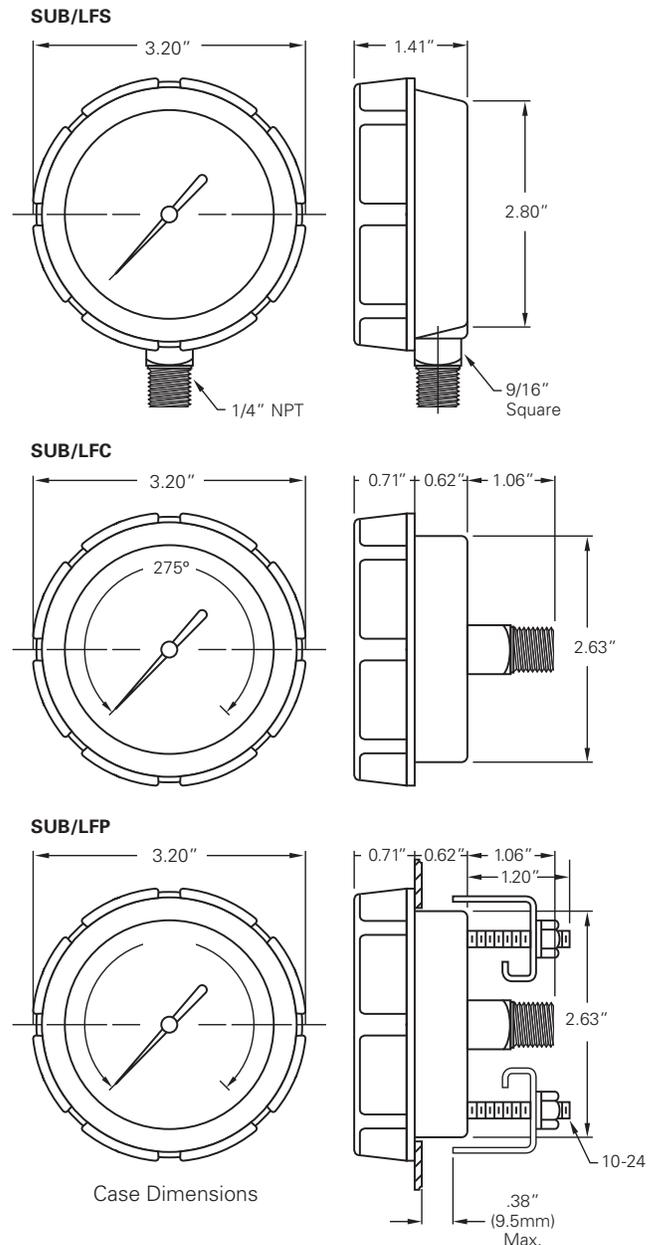
Additional error when temperature changes from reference temperature of 68F (20C) +0.4% for every 18F (10C) rising or falling as a percentage of Span.

Weather Protection

Weather tight (NEMA 4X / IP 65)

Optional Extras

IB	=	KEMX Buna-N Diaphragm
IV	=	KEMX Viton - Diaphragm
IE	=	KEMX EPDM - Diaphragm
CERT	=	NIST Certified with Calibration Points
SFB	=	Chrome Bezel
RECAL	=	Slotted Adjustable Pointer
O2C	=	Oxygen Cleaning
STUD	=	Back Mount Studs for Wall Mounting
OEM	=	Custom Dials
COL	=	Color Bezel



Ordering Number for 2.5" Span Sub-Sea Gauge – Construct by selecting one item from each of the columns below:

Configuration	Dial Size	Accuracy	Wetted Parts	Range	Fill	Options
SUB/LFS = Stem Mount Bottom	2 = 2-1/2	1 = 1% Accuracy	2 = 316L Stainless Steel Tube and Socket	Please Specify From Chart	G = Glycerin Filled	From Option List
SUB/LFC = Center Back Mount						
SUB/LFP = Panel Mount U-Clamp						
Example: SUB/LFS –	2 –	1	2	100 –	G	CERT

(SUB/LFS-212-100-G-CERT)

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