



# McDANIEL

## Subsea Gauges

### **When Accuracy and Durability Matters.**

Expansion in the Subsea equipment business has created a demand for a quality Subsea pressure gauge which can be trusted to get the job done in depths up to 10,000 feet / 3,000 meters of sea water.

McDaniel Controls, Inc. using 40 years of gauge experience, created the most dependable pressure gauge for installation on an array of Subsea equipment being sent to the ocean floors around the world.

The McDaniel Subsea pressure gauge is the best choice for any Subsea environment where dependability and proven performance is required.



## SPECIFICATIONS

### **Accuracy:**

0.5% full scale to ASME B40.1  
Standard (Grade 2A) up to 10,000 PSI  
1.0% Full Scale 15,000 PSI and Above

### **Dial:**

4" or 6" Black Dial with White Numbers and Markings for increased readability underwater.

### **Pointer:**

White Aluminum Adjustable Pointer.

### **Lens: Polycarbonate**

4" Size: 4 mm/.157 inches thick.  
6" Size: 3 mm/.118 inches thick.

### **Pressure Ranges:**

0 - 15 PSI up to 0 - 35,000 PSI

### **100% Glycerin Filled:**

\*\*Glycerin/Water Mixtures Suitable for Colder Temperatures Available On Request.

### **Case:**

304SS Liquid Filled  
Pressure Tight for depths 0 to 10,000 Ft.  
(3,000 Meters) of Sea Water.

### **Lens Bezel:**

304SS

### **Internals:**

316SS with Heavy Duty Movement Equalizing Membrane, Mechanical Over Range Stop.

### **Bourdon Tube:**

316 Stainless Steel (C Form 600 PSI & Below).  
(Spiral 800 PSI & Above).

130% Full-Scale Without Loss of Accuracy

300% Full-Scale Without Rupture

### **Stem and Socket:**

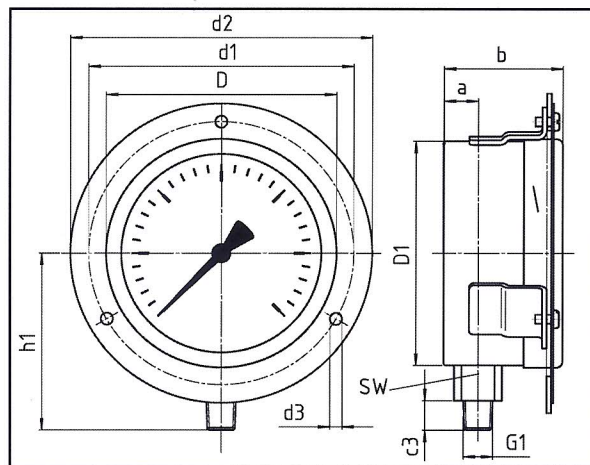
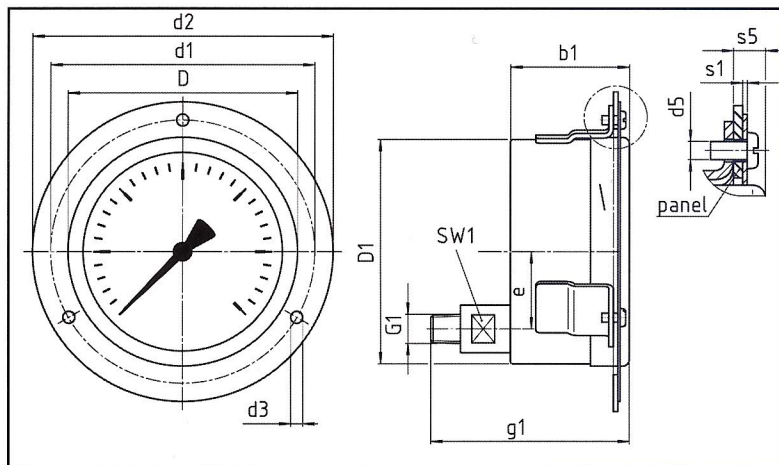
316SS Bottom or Lower Back Connected  
Available In: (1/4"NPT, 1/2"NPT, 1/4"MPF, 1/4"HPF)

## McDaniel Controls, Inc.

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[www.mcdanielcontrols.com](http://www.mcdanielcontrols.com)

# DIMENSIONAL DATA



	NCS	a	b	b1	c3	D	D1	d1	d2	d3	d5	e	G1	g1	h1	s1	s2	s3	s5	SW	SW1
MM	100	20	55	55	13	101	99	116	132	4.8		30	1/4"NPT	90	78	1	2	5.5	7	22	17
in.	4"	.79	2.17	2.17	.51	3.98	3.9	4.57	5.2	.19	M4	1.18		3.54	3.08	.04	.08	.22	.28	.87	.67
MM	160	15	50	55	13	161	159	178	196	5.8		30	1/4"NPT	90	108	1.5	2.5	6	8	22	17
in.	6"	.59	1.97	2.17	.51	6.34	6.26	7.01	7.72	.23	M5	1.18		3.54	4.25	.06	.1	.24	.31	.87	.67

*McDaniel also makes gauges in other materials; in sizes and ranges to fit a wide variety of applications, and in many special configurations.*

*Ask your representative about McDaniel's complete line of pressure gauges.*

## HOW TO ORDER

Order by full description. Specify for SUBSEA USE

## WARNING:

**Glycerin filled gauges are not to be used in applications involving strong oxidizing agents such as chlorine, nitric acid, or hydrogen peroxide. (Refer to ASME B40.1)**

### Warranty

McDaniel warrants our pressure gauges to be free of defects in material and workmanship: Replacement of any defective gauge will be made at no cost to the purchaser. Gauge failures determined to be caused by abuse, over-range and incompatibility with environment or process media will void warranty.

### Repair

We will REPAIR and/or REFURBISH any regular stock McDaniel gauge for a charge to be determined after the gauge is examined by our Quality Control Department. Damaged sockets or bourdon tubes cannot be repaired. Special units contact McDaniel for pricing. Prices are F.O.B. Boutte, Louisiana 70039 U.S.A.

## DISTRIBUTED BY:

It is recommended that users of pressure gauges become familiar with American National Standard ASME B40.1, entitled Gauges, Pressure and Vacuum - Indicating Dial Type - Elastic Element. This specification is available from:

**American Society of Mechanical Engineers**  
3 Park Avenue  
New York, New York 10016  
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