

# DIAMOND SERIES

## Pressure Gauges

Stainless Steel Case

Brass Wetted Parts

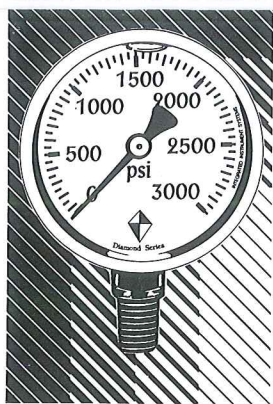
Liquid Filled

Size 2½" 1.5% accuracy



INTEGRATED INSTRUMENT SYSTEMS





# DIAMOND SERIES Pressure Gauges

- ☐ Stainless Steel Case
- ☐ Brass Wetted Parts
- ☐ Liquid Filled
- ☐ Size 2 1/2" 1.5% accuracy

The Diamond Series pressure gauge from Integrated Instrument Systems is designed to deliver exceptional performance and value for both original equipment and end user applications such as pumps, compressors, hydraulic and pneumatic equipment, and oil & gas production and delivery systems.

A liquid filled corrosion resistant stainless steel case, a durable copper alloy bourdon tube and socket, and an all brass precision movement combine to make this an excellent choice for medium to severe duty applications indoors or out. (Note: media must be compatible with copper alloy "wetted" parts.)

For improved readability in the field, the standard PSI only scales utilize large **Old English** style numerals and well defined increments. They are available from stock in ranges from 30 PSI to 5000 PSI. Stainless steel wetted parts, dual scale dials, back connection and flush mount models, as well as a larger variety of ranges, are available on special order as long as some minimum quantity requirements are met.

## Ordering Information:

Use model numbers as shown under: Standard Models and Ranges''.



**Accuracy:** +/- 1.5% of full scale.

**Case:** Stainless steel with stainless steel ring crimped on.

**Bourdon Tube:** Copper Alloy

**Window:** Acrylic

**Movement:** Brass

**Connection:** 1/4" NPT lower mount (bottom mount)

**Filling:** Glycerin

**Scale:** Single Scale PSI Only

**Service Temperature**

**Range:** 30 - 150 Deg. F (0-50 Deg. C)

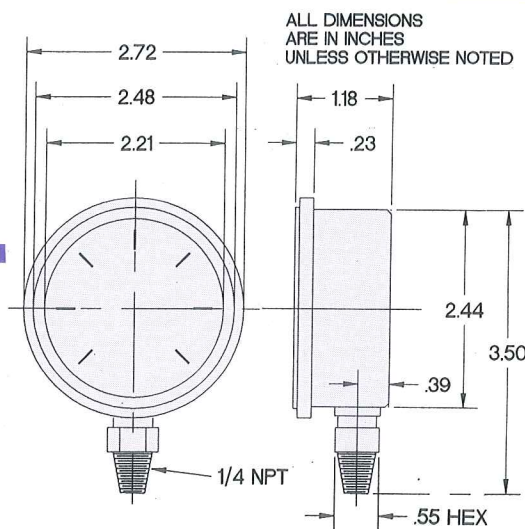
**Duty Range:** Working pressures should be limited to the area between 25% and 75% of full scale for normal service or between 25% and 60% of full scale for pulsating service. For the best overall performance, the full scale range of the gauge should be twice the standard working pressure.

## Special Order Options:

(minimum 250 pcs or more)

- ☐ Dual scale dials
- ☐ Custom dials (Logo's etc.)
- ☐ Lower back mount
- ☐ Stainless Steel Tube
- ☐ Alternate filling fluids
- ☐ Additional Ranges:
  - ☐ 30" Hg Vacuum
  - ☐ Compound Ranges
  - ☐ Pressures to 30000 PSI
- ☐ Optional cases:
  - ☐ U-clamp (CBM only)
  - ☐ Front flange
  - ☐ ABS cases
  - ☐ Sizes 1.5, 2, 3, 4, and 6"
- ☐ Dry gauges

**WARNING:** These gauges are not to be used in applications involving oxidizing media such as oxygen, chlorine, nitric acid, hydrogen peroxide, and others. Incompatibility with the wetted parts could result in rupture of the bourdon tube and release of these dangerous chemicals. Incompatibility with the glycerin filling could result in a spontaneous chemical reaction.



## Diamond Series Pressure Gauges

**2.5" 1/4LM Stainless Steel Case  
Single Scale PSI; Liquid Filled**

### Standard Models and Ranges

Model	Range in PSI	Numerals	Primary Divisions
DS0242	30	5	0.5
DS0246	60	10	1
DS0248	100	20	2
DS0252	160	20	2
DS0258	300	50	5
DS0264	600	100	10
DS0272	1000	200	20
DS0274	1500	300	20
DS0276	2000	400	25
DS0278	3000	500	50
DS0282	5000	1000	100

Other models and ranges are available on special order. However, minimum quantities of 250 pieces or more per item may be required.

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