



OUTPERFORMS IN ANY ENVIRONMENT

INDUSTRIAL PRESSURE GAUGES

UNMATCHED DURABILITY

One moving part means unmatched vibration, pulsation and shock resistance. Under moderate use, Perma-Cal® gauges can cycle year after year with virtually no wear to the internal mechanism.

PERMANENTLY CALIBRATED

In contrast to competitors' C-tube gauge design, Perma-Cal® gauges are manufactured using direct drive technology (helically-wound Bourdon tube), no linkages, springs, gears or liquid-fill to wear, break or leak.

LIFETIME LIMITED WARRANTY

PRIORITIZING SAFETY

A low volume helically-wound Bourdon tube combined with a solid front case produces one of the safest gauges in the industry. In the rare instance of catastrophic failure, low volume translates to a low leak rate minimizing the spill of potentially hazardous process.

LOWER COST OF OWNERSHIP

A more durable design yields years of trouble-free service minimizing the time and money spent on repair and replacement. Additionally, Mini-seal compatibility provides significant cost savings in applications requiring such configurations.



PERMA-CAL® INDUSTRIES, INC.
DIRECT DRIVE PRESSURE GAUGES

USA PARTS, USA MADE, USA OWNED



THE DIRECT DRIVE ADVANTAGE

ONE MOVING PART

HELICALLY-WOUND BOURDON TUBE

SOLID FRONT CASE
Designed for safety

DIVERSE CASE MATERIAL OPTIONS

High-Temp, Chemical & Impact Resistant

INTERNAL POINTER DAMPENING
No need for liquid fill

MINI-SEAL COMPATIBILITY
Low volume displacement

QUALITY WETTED PARTS CONSTRUCTION

Inconel X-750, 300-series SS, Silver Braze (*nickel available*)

HIGH QUALITY CONNECTION MATERIAL
316 SS Standard (*Monel available*)



PROCESS GAUGES

Accuracy:
±.5% F.S.(Grade 2A)
±.5% F.S. @ M.S./±1% F.S.

TEST GAUGES

Accuracy:
±.25% F.S.(Grade 3A)



CUSTOMIZABLE

Full customization available for OEM
and unique applications.



Custom dial designs (ranges, operation bands,
logos, etc.) tailored to your needs.

GENERAL SPECIFICATIONS

Typical Applications

- Industrial applications
- Energy & Power plants
- Pump applications
- Gas filling stations
- Steam pipes
- Oil pipelines
- Chemical plants
- Refineries
- Manufacturing facilities
- Factories, and more...

Range Availability

- 15 psi to 15,000 psi (or equivalent)
- Range Types
 - Single Scale
 - Dual Scale
 - Vacuum and Compound
 - Receiver
 - Refrigerant
- Range Units
 - psi, bar, kPa, MPa, kg/cm², FSW

Case Configurations

- Materials:
 - ABS
 - Aluminum
 - Stainless Steel
 - Glass-Filled Nylon
- Sizes, Types and Colors:
 - 2.5", 3.5", 4.5", 6", 8.5"
 - Front Flange, No Flange, Rear Flange, Turret
 - Black, Blue, Green, Red, White, Yellow
- Metal Case Finish:
 - Powder Coated (specify color) or Unpainted

Temperature Resistance

- Media Temperature:
 - ABS: -65°F to 250°F
 - GFN and Metal: -65°F to 600°F
- Ambient Temperature:
 - ABS: -65°F to 190°F
 - GFN and Metal: -65°F to 400°F
- Other Specifications
 - Wetted Materials:
 - Inconel X-750
 - 300-series Stainless Steel
 - Silver Braze (*nickel available*)

Other Specifications cont'd

- Window Construction
 - Acrylic
 - Tempered Glass (*increases heat tolerance*)
- Burst Pressure: Lesser of 500% of F.S. or 25,000 psi
- Overpressure w/o calibration shift:
 - 50% for gauges ≤ 5,000 psi or equivalent
 - 25% for gauges > 5,000 psi or equivalent

TECHNICAL ASSISTANCE AVAILABLE

Call 800-991-1357 or email customerservice@perma-cal.com

CONTACT YOUR DISTRIBUTOR FOR MORE INFORMATION

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