America's First Manufacturer of Precision Industrial
Temperature and Pressure Instrumentation

Quality products for the Plumbing, PVF and HVAC Industries

NEW!

Palmer Wahl products are available from:

Palmer Wahl

INSTRUMENTATION GROUP

America's First Manufacturer of Precision Industrial
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**A. Economy Industrial Thermometers**

Model: 9AL, 9ALSB - 9" Aluminum Case with Flex Angle
Model: 9FL, 9FLSB - 9" Plastic Case with Flex Angle
Models with Air Duct Stem available (pictured below left)

Scale: Aluminum Scale
Range: -40° to 550°F or -40° to 550°F & C
Connection: 1-1/4"-18 UNEF Swivel Nut
Fill: Sky Blue Filled or Red Reading Mercury
Stem Length: 3.5", 6", 8", 9", 12"
Accuracy: ± 1 scale division

**B. NEW! Solar Powered Digital Thermometer with 4-20 mA Transmitter**

Same features as model below, plus single unit with dual sensors allows for local reading and remote transmitting for convenient and reliable independent operation in a variety of applications

Model: PSP550
Transmitter Range: -58° to 302°F (-50° to 150°C)
Transmitter Output: 4-20 mA
Transmitter Ambient Temperature: -15° to 185°F (-25° to 85°C)
Transmitter Ambient Temp Error: 0.01% Span (°C)
Transmitter Supply: 8 to 35 VDC
Transmitter Max Load Resistance: 775W with 24 VDC Supply
Transmitter Accuracy: 0.1% of Span
Transmitter Thermometer Sensor: Thermistor based - NTC
Transmitter Sensor: Platinum 100WRTD

**C. NEW! Solar Powered Digital Thermometer**

Model: PSP500 Hi-Impact ABS Case, with Flex Angle Adjustment
Range: -50° to 300°F (-45° to 150°C) F/C Switchable
Display: 1/2" LCD digits, wide ambient formula
Accuracy: 1% of reading or 1°, whichever is greater
Resolution: 1/10° between -19.9° to 199.9°F (-28° to 93°C)
Recalibration: Through case potentiometer adjustment
Lux Rating: 10 Lux (one foot candle)
Update: 10 seconds
Ambient Temperature: -30° to 140°F (-35° to 60°C)
Ambient Temp Error: Zero
Humidity: 100%
Thermometer Sensor: Glass passivated Thermistor - NTC
Stem Material: Standard Cast Aluminum Stem and Seat
Fitting: 1-1/4"-18 UNEF Machined Brass Swivel Nut
Stem Assemblies: Direct Replacement for Industrial, Bimetallic, Air Duct
Stem Length: 2.5", 3.5", 4", 6", 9", 12"
NEW Multi-Thread Pressure Gauges

F. Painted Steel Case Utility Gauges
- Model: 15PB, 20PB, 25PB, 40PB
- Dial Size: 1.5”, 2”, 2.5”, 4”
- Tube/Socket: Brass or Phosphor Bronze
- Connection: 1/8” NPT on 1.5”, 1/4” NPT on 2”, 2.5”, 4”
- Range: 0-600 PSI, -30” Hg
- Rating: IP40

G. Digital Pressure Gauges
- Series: EDG with User Selectable Resolution, Engineering Units, Modes, & single point calibration
- Case: Protective Rubber Boot
- Range Availability: Units for clean gas Vacuum to 300 PSI. Corrosive gas units from 0 to 200 PSI.
- Pressure reset/zero button
- Process Connection: 1/4” NPT, bottom conn.
- Internals: Upgraded internals for corrosive models to 316 SS, with 304 SS connection
- Accuracy: ± 1% Full Scale, ± 1 digit
- Battery: Standard 9V battery; conservation mode with auto off timer, user adjustable from 5 to 180 seconds in 5 second intervals; good for 8000 cycles (180 sec. per cycle with 300 sec. intervals) or approximately 1500 hours.
- Rating: IP54 with Boot, IP40 without Boot

H. Contractor Gauges
- Model: 45SB
- Dial Size: 4.5”
- Tube/Socket: Brass
- Connection: 1/4” NPT
- Range: 0-500 PSI, -30” Hg
- Rating: IP40

I. Low Pressure Gauge
- Model: 25PP, 40PP, 60PP, 25SC, 40SC, 60SC
- Dial Size: 2.5”, 4”, 6”
- Tube/Socket: PP: Brass, SC: AISI 316 SS
- Connection: PP: 1/4” NPT, SC: 1/2” NPT
- Range: 0-10 PSI, -30/200” H20, Vac
- Rating: IP40

J. Custom Dial Faces
Palmer Wahl can custom design a dial face with virtually any design you can think of.
**Pressure Gauges and Accessories**

**A. Gas Test Gauges**
- **Model:** 40KB
- **Dial Size:** 4"
- **Tube:** Phosphor Bronze Diaphragm Internals
- **Socket/Connection:** Lower Connected Brass Valve Body with Schrader Valve, and 3/4" NPT
- **Range:** 6 PSI / 12" Hg or 15 PSI / 30" Hg
- **Rating:** IP41

**B. Stainless Steel Case Utility Gauges**
- **Model:** 15CB, 20CB, 25CB, 40CB
- **Dial Size:** 1.5", 2", 2.5", 4"
- **Tube/Socket:** Brass or Phosphor Bronze/Brass
- **Connection:** 1/8" NPT (15CB only), 1/4" NPT
- **Range:** 0-20,000 PSI, -30" Hg/160#, Bar, kg/cm², kPa
- **Rating:** IP54

**C. Aero Type Low Pressure Differential Gauges**
- **Series:** J-2000 Series
- **Case:** 4" (100mm); Corrosion resistant, Aluminum case/bezel; Standard Flush Mount, optional Surface Mount
- **Pointers:** Patented Safe-Slide Pointers slide around the lens, set Safe, Warning, and Danger Points; easily visible at a distance
- **Range Availability:** inH2O, PSI, cmH2O, mmH2O, Pa, kPa
- **Process Connection:** High and Low Pressure: 1/8" drill tube thread back/side
- **Accuracy:** ± 2% of Full Scale
- **Rating:** IP54

**D. All Stainless Steel Gauges**
- **Model:** 25CS, 25SS, 40SS, 60SS
- **Dial Size:** 2.5", 4", 6"
- **Tube/Socket:** AISI 316 Stainless Steel
- **Connection:** 25CS/25SS: 1/4"; 40SS/60SS: 1/2" NPT
- **Range:** 0-20,000 PSI, -30" Hg/160#, Bar, kg/cm², kPa
- **Rating:** Filled Gauge: IP64, Dry Gauge: IP54

**E. Snubbers & Syphons**

**F. Mini Ball Valves**

**G. Needle Valves**

**H. All Star - Back Connected & Adjustable Union**
- **Model:** 3B - 3" Case, 5B - 5" Case (not pictured)
- **Model:** 3B/CJ - 3" Case, 5B/CJ - 5" Case (not pictured)
- **Case/Form:** 304SS/316SS Back Connected
- **Accuracy:** 1% of Full Range
- **Range:** -100° to 1000°F or -50° to 500°C and Dual Range Scales
- **Recalibration:** External Reset Nut. Dial rotation gear positions the Dial in relation to the Pointer
- **Stem Length:** Up to 60"

**I. All Star - All Angle & Adjustable Union**
- **Model:** 3A - 3" Case, 5A - 5" Case
- **Model:** 3AJ - 3" Case, 5AJ - 5" Case
- **Case/Form:** 304SS/316SS All Angle
- **Accuracy:** 1% of Full Range
- **Range:** -100° to 1000°F or -50° to 500°C and Dual Range Scales
- **Recalibration:** External Reset Nut. Dial rotation gear positions the Dial in relation to the Pointer
- **Stem Length:** Up to 60"

**J. 1120 Series Threaded Regular**
- **Bore:** 260" Diameter Bore; 1/2"-14 NPS Internal Thread
- **Stem Length:** 2.5", 4", 6", 9", 12", 15", 18"

**K. DHS85XL**
- **Type:** Close Range
- **Range:** -4° to 619°F; (-20° to 326°C)
- **Distance to Spot:** 8.1
- **Spectral Range:** 5 to 14 µm
- **Emissivity:** Fixed at 0.95
- **Accuracy:** ± 2% of reading
- **Repeatability:** ± 2°F (± 1°C)
- **Display:** LCD with Backlight
- **Display Resolution:** 0.1°F (0.1°C)
- **Sighting:** Laser Switchable

**L. DHS115XL or DHS115XEL**
- **Type:** Mid Temperature, Short Range
- **Range:** -25° to 999°F; (-32° to 535°C)
- **Distance to Spot:** 12:1
- **Spectral Range:** 5 to 14 µm
- **Emissivity:** DHS115XL: Fixed, DHS115XEL: Adjustable 0.10 to 1.00
- **Accuracy:** ± 5°F (± 3°C) from -25° to -4°F/± 3°F (± 2°C) from -4° to 212°F
- **Repeatability:** ± 2°F (± 1°C)
- **Display:** LCD with Backlight
- **Display Resolution:** 0.1°F (0.1°C)
- **Sighting:** Laser Switchable

**Specifications subject to change without notice**