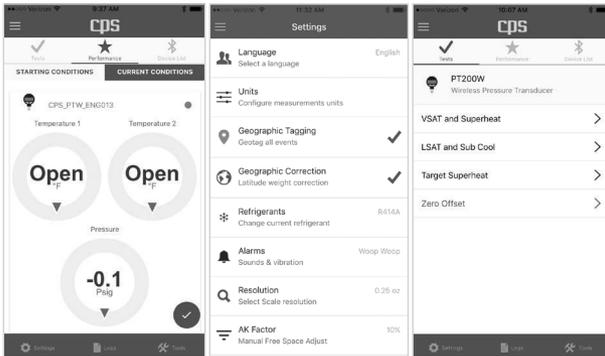## USE PT200W WITH CPS Link™ APP

1. To greatly expand the capability of your gauge, pair it with a mobile device.

2. Follow the Quick Start Gauge Setup Steps 1-2 above.

3. Scan QR code on the front of this guide, or download the free CPS Link™ app from the App Store (iOS) devices or Google Play (Android devices).

4. From MAIN MENU:
   a. Choose SETTINGS to select the Language, Units, Refrigerants and any other settings you wish to activate.
   b. Choose TOOLS to set up Client, Jobs and Tank Tracker™ information.

5. You are now ready to work.

6. Manual OFF: From MAIN MENU, select Exit.
   Auto OFF: 10 Minutes = Default (if no key pressed, no wireless connection, gauge not data logging.



Current Conditions Screen    Settings Screen    Test Screen

## SPECIFICATIONS

| | |
|---|---|
| Operating Pressure Range | -14.5 PSIG to 750 PSIG |
| Pressure Reading Accuracy | 1% of reading +/- 0.1 PSIG (0.01 bar) |
| Maximum Pressure | 750 PSIG MWP, 3000 PSIG Burst |
| Operating Temperature Range | **23°F to 149°F (-5°C to 65°C)** |
| Temperature Reading Accuracy | +/- 0.36°F (+/- 0.2°C) |
| SH, SC And Saturation Temperature accuracy | +/- 0.5°F (+/- 0.3°C) |
| tH & tL Thermistor Temperature Range | -40°F to 302°F (-40°C to 150°C) |
| Clamp | Opening: 1-1/8" (28.5mm) Cord Length: 6ft (1,82m) |
| Storage Temperature Range | -40 to 185°F (-40°C to 85°C) |
| Operating and Storage Humidity | 0-95%, Non-condensing |
| Wireless Range* | Power: High = Up to 250 ft. (76 m); Normal = Up to 175 ft. (53 m); Low = Up to 100 ft. (30 m) |
| Power Source | One 9 volt alkaline battery (ANSI 1604AC – IEC 6LR61) |
| Battery Life | Up to 40 hours continuous use. |
| Auto-Off* | 10 minutes = default if no key pressed, no wireless connection, gauge not logging data. |
| Mechanical Connection | Standard 1/4" female SAE refrigerant hose type (stainless steel) with core depressor |
| Warranty | 1 year |
| Gauge To Wireless Device Connection | Patented Wireless CPS Link™ Technology (US Patent No. 9,043,161) |
| *Wireless range and auto-off settings can be configured only on the app. | |

## ADDITIONAL INFORMATION

For the latest product updates: visit **www.cpsproducts.com**

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# CPS®

# PT200W
## Wireless Pressure Temperature Gauge And Mobile App Quick Start Guide

CPS Link
Download
App Now



Version 4.3 or higher

Patented CPS Link™ Wireless Technology
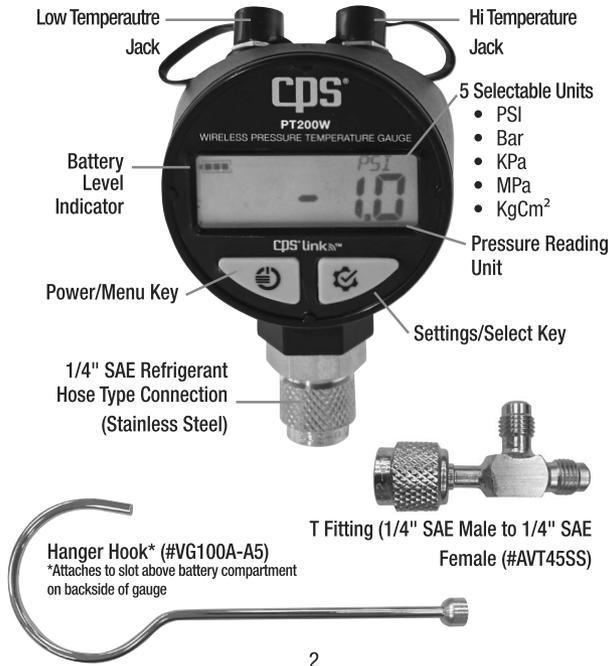
Francais, Español, Deutch: www.cpsproducts.com

**ICES-003**

TO BE OPERATED BY QUALIFIED PERSONNEL ONLY

The PT200W is a compact, portable instrument for accurately measuring and calculating HVAC/R data such as pressure, SuperHeat, SubCool, and temperature differential (tH-tL) that are critical to properly servicing HVAC/R equipment. Use the PT200W as a stand-alone gauge or pair it with a mobile device to set up, store or e mail client and job lists, jobsite data, invoices and other convenient, time saving features. To learn more, visit **www.cpsproducts.com**

## GAUGE LAYOUT & INCLUDED ACCESSORIES

Low Temperautre Jack

Hi Temperature Jack

5 Selectable Units
- PSI
- Bar
- KPa
- MPa
- KgCm²

Battery Level Indicator

Pressure Reading Unit

Power/Menu Key

Settings/Select Key

1/4" SAE Refrigerant Hose Type Connection (Stainless Steel)

Hanger Hook* (#VG100A-A5)
*Attaches to slot above battery compartment on backside of gauge

T Fitting (1/4" SAE Male to 1/4" SAE Female (#AVT45SS)

Thermistor Clamp (#MDTCLMP-A1)

Canvas Storage Case (#50-128)

## USE PT200W AS STAND-ALONE GAUGE (NO APP)

1. **Install 9V Battery- In back of PT200W.**

2. **Power ON**
   a. Press and hold Power/Menu key until display turns on.

3. **Menu Choices- Press Power/Menu key again to select:**
   **a. Pr** : Pressure port readings
   **b. tL** : Temperature Low Side = Vapor (BLUE)
   **c. tH** : Temperature High Side = Liquid (RED)
   **d. tH-tL** : Temperature differential (Must have 2 thermistor clamps connected)
   **e. VSAT** : Vapor Saturation Temperature (Must have clamp connected to BLUE jack)
   **f. SH** : SuperHeat Temperature (Must have clamp connected to BLUE jack)
   **g. LSAT** : Liquid Saturation Temperature (Must have clamp connected to RED jack)
   **h. SC** : SubCool Temperature (Must have clamp connected to RED jack)
   **i. rEF** : Refrigerant Type

**Note: Some menu items will not display if the thermistor clamp is not connected.**

4. **Select Pressure (& Zero The Pressure Reading)**
   **a.** Press Power/Menu key until "Pr" appears on display
   **b.** Press Settings/Select key to select (1 of 4) Pressure Units.
   **c.** "Zero" The Pressure Reading - Press and hold Settings/Select key to zero the reading before each new session and before connecting to a system.

5. **Select Refrigerant**
   **a.** Press Power/Menu key until "ref" appears on display. Current selection is displayed in upper right.
   **b.** Press Settings/Select key until desired refrigerant is displayed.
   **c.** Press Power/Menu to set new refrigerant.

**CAUTION: Always wear hand and eye protection when handling connections to HVAC/R systems under pressure.**

6. **SuperHeat (& Temperature Units)**
   **a.** Press Power/Menu key until "tL" (temperature Low) appears.
   **b.** Select Temperature Units- Press Settings/Select key and choose °F or °C
   **c.** Plug CPS Thermistor Clamp positive END into BLUE jack (Low Side).
   **d.** Attach CPS Clamp to SUCTION LINE near suction gauge port.

7. **SubCool (& Temperature Units)**
   **a.** Press Power/Menu key until "tH" (temperature High) appears.
   **b.** Select Temperature Units- Press Settings/Select key and choose °F or °C
   **c.** Plug CPS Thermistor Clamp positive END into RED jack (High Side).
   **d.** Attach CPS Clamp to LIQUID LINE near liquid gauge port.

8. **Attach PT200W To Your System.**
   **a.** Hand tighten stainless fitting (DO NOT USE TOOLS).

9. **Read values on display.**

10. **Manual Off:**
    Press and hold the Menu/Power key until display turns off.

Home Screen

Performance (Starting Or Current Conditions)

CPS Wireless Devices (Connection status & information)

Menu

Tests

Temperature 1

Temperature 2

Settings

Tools

Logs

Pressure