User Manual

Wireless Pressure Gauges with Temperature
Introduction

Dear User,
Thank you for buy our brand new pressure gauge. Please read this manual and become familiar with the specifications and operation of the gauge prior to use, especially the “Warning” part. It is suggested to keep the manual properly with the gauge or in a place where you can refer to it conveniently.

Features

◆ Real-time display of system pressure and temperature
◆ 140 types of compatible refrigerants
◆ Record data and generate report.
◆ Superheat/Subcool degree can be calculated automatically and displayed.
◆ Data analysis in graphs.
◆ Protection grade IP65.
### Specifications

<table>
<thead>
<tr>
<th></th>
<th>PT-500</th>
<th>PT-800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measuring range</td>
<td>-14.5psi~500psi</td>
<td>-14.5psi~800psi</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.5psi</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±0.5%FS</td>
<td></td>
</tr>
<tr>
<td>U.M.</td>
<td>psi, kg/cm², cmHg, inHg, bar, kPa, MPa</td>
<td></td>
</tr>
<tr>
<td>Memory capacity</td>
<td>7000 readings</td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>3 AA batteries</td>
<td></td>
</tr>
<tr>
<td>In-use time</td>
<td>600h</td>
<td></td>
</tr>
<tr>
<td>Max overload pressure:</td>
<td>750psi</td>
<td>1000psi</td>
</tr>
<tr>
<td>Operating temperature:</td>
<td>-17.8°C ~ 60°C (0°F ~ 140°F)</td>
<td></td>
</tr>
<tr>
<td>Fitting</td>
<td>1/8 NPT</td>
<td></td>
</tr>
<tr>
<td>Product size</td>
<td>127x74x37mm</td>
<td></td>
</tr>
<tr>
<td>Wireless transmission distance:</td>
<td></td>
<td>30m</td>
</tr>
</tbody>
</table>

### Clamp-on temperature sensor specifications

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor type</td>
<td>NTC</td>
</tr>
<tr>
<td>Measuring range</td>
<td>-50°C<del>150°C (-58°F</del>302°F)</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±0.5°C</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.1°C</td>
</tr>
<tr>
<td>Sensor cable length</td>
<td>2m</td>
</tr>
<tr>
<td>Maximum clamp opening</td>
<td>38mm</td>
</tr>
</tbody>
</table>
Display

1. Power indicator  
2. Auto off  
3. Status: Recording  
4. Network: Connected  
5. Pressure  
6. Units of measurement  
7. Temperature

Buttons

A. Backlight  
B. On/Off  
C. Wireless connection

<table>
<thead>
<tr>
<th>Press and release</th>
<th>A. Backlight</th>
<th>B: On/Off</th>
<th>C. Wireless connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press and hold</td>
<td>A. Pressure U.M. switching</td>
<td>B. Zero</td>
<td>C. Record</td>
</tr>
<tr>
<td>Press both</td>
<td>AB. Enable/Disable Auto Off</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Press both</td>
<td>AC. Temperature U.M. switching</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Operation**

1. Before the gauge accesses the system, press the power button ☀ to turn it on. It will conduct self-test until pressure value is displayed.
2. After the gauge is turned on, press and hold ☀ until the screen displays “0”.
3. Make sure the connection type of the access system matches with the gauge fittings. If not, please use the included adapter.
4. Press and release ☀ to turn on backlight. The backlight will be auto off two minutes later. Press in two minutes to turn off backlight directly.
5. Press and hold ☀ to switch the units of measurement.
6. Press and release 📲 to enable wireless connection. Press it again to disable wireless connection.
7. Press and hold 📲 until “REC” appears in the screen to enable record function. Press and hold it again to disable this function.

**Battery indicator 🐂:**
The battery power is indicated in segments, which reduce with power consumption until the frame of flashes. Hence the LCD might display unstably.

*Note: Please change batteries before the screen is unstable in case error message affects the normal use of the gauge.*

**Operation**

1. Turn on the gauge and enable wireless connection, open the mobile APP to research the device and then connect.
2. In the connected devices interface, click “+” to add the device to the job interface for viewing pressure and temperature.

*Note 1) Multiple devices can be added for viewing simultaneously.  
2) For more details, go to APP menu – help.*
**Download APP:**
iOS: Search “Elitech Gauge” to get the APP for the iOS on the App Store™.
Android: Search “Elitech Gauge” to get the Android APP from Google Play™.

**Warning:**
Please use the gauge in specified environment to avoid error or damage of its sensor.
Please do not use chemical solvent or corrosive liquid to clean the gauge.
Please do not disassemble the gauge.
Remove the batteries if the gauges are not to be used for a long time in case the leakage corrodes the gauge. The batteries included are not rechargeable. Please do not charge them.

**Package contents**
- Wireless Digital Pressure Gauge ------------------------- 1
- Clamp-on temperature sensor ----------------------------- 1
- AA alkaline batteries ----------------------------------- 3
- 1/4 Male adapter ---------------------------------------- 1
- 1/4 Female adapter -------------------------------------- 1
- Bent adapter ------------------------------------------- 1
- R410A Adapter - 1/4” to 5/16” SAE --------------------- 1
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