

**Elitech**<sup>®</sup>

## User Manual



**PT-500/PT-800**  
**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.

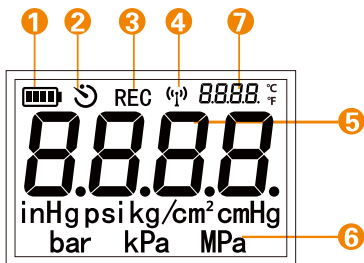
## Specifications

	PT-500	PT-800
Measuring range	0-500 psi	0-800 psi
Resolution	0.5psi	
Accuracy	±0.5%FS	
U.M.	psi, kg/cm <sup>2</sup> , cmHg, inHg, bar, kPa, MPa	
Memory capacity	7000 readings	
Power supply	3 AA batteries	
In-use time	600h	
Max overload pressure:	750psi	1000psi
Operating temperature:	-17.8°C ~ 60°C (0°F ~ 140°F)	
Fitting	1/8 NPT	
Product size	127x74x37mm	
Wireless transmission distance:	30m	

## Clamp-on temperature sensor specifications

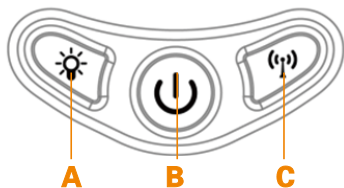
Sensor type	NTC
Measuring range	-50°C~150°C (-58°F~302°F)
Accuracy	±0.3°C
Resolution	0.1°C
Sensor cable length	2m
Maximum clamp opening	38mm

## Display



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



## Buttons








<b>Press and release</b>	A. Backlight	B: On/Off	Wireless connection
<b>Press and hold</b>	A. Pressure U.M. switching	B. Zero	C. Record
<b>Press both</b>	AB. Enable Auto off		
<b>Press both</b>	AC. Temperature U.M. switching		




## 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".

*Note: It is possible to zero when pressure value is below 10psi.*


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™.



Version 8.0 or higher



Version 4.3 or higher

## 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

PT-500 Wireless Digital Pressure Gauge -----	1
PT-800 Wireless Digital Pressure Gauge -----	1
Clamp-on temperature sensor -----	2
AA alkaline batteries -----	3
1/4 Male adapter -----	2
1/4 Female adapter -----	2
Bent adapter -----	1
T-joint -----	1
Hook&Loop -----	2

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