



Overpressure alarm

Auto off

Environment-friendly rubber boot

Big LCD screen with blue backlight

87 types of refrigerants listed in PT table

High-precision ceramic sensor

## PG-30Pro Digital Pressure Gauge

### Technical Specifications

- Pressure range: Red gauge:  $-0.1 \sim 5.515\text{MPa}$ ( $0 \sim 800\text{psi}$ );  
Blue gauge:  $-0.1 \sim 3.448\text{MPa}$ ( $0 \sim 500\text{psi}$ )
- Resolution:  $0.001\text{MPa}$ ,  $0.1\text{psi}$
- Accuracy:  $\pm 0.5\%FS$
- Sampling period: 1s
- Temperature unit:  $^{\circ}\text{C}/^{\circ}\text{F}$
- Backlight off after 3s, 4s, 5s, 10s or 15s of no operation
- LCD screen with blue backlight,  $50 \times 26 \text{ mm}$
- Measurement units:  $\text{MPa}$ , bar, psi,  $\text{KPa}$ ,  $\text{kg}/\text{cm}^2$ ,  $\text{cmHg}$
- Parameter settings: Auto off, pressure/temperature unit, backlight time
- PT table lists the pressure and temperature of 87 types of common refrigerants.
- Battery: 3 AAA batteries
- Battery life: Approx. 1 year
- Low battery indication at low battery level
- Operating environment: Temperature:  $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$  ;  
Humidity:  $35\% \sim 85\%RH$
- Package: Blister pack
- Fitting: 1/8NPT

### Warning

Wear safety goggles when working with refrigerants. Refrigerants can cause eye injury.  
Disconnect hoses using extreme caution. Pressurized refrigerant may be present in hoses. Point hoses away from you and anyone nearby.

### Overview

PG-30Pro is a digital pressure gauge that measures system pressure in real time. It features a big artistic screen and batteries with 1 year service life. The gauge has backlight, auto off, low battery indication, overpressure alarm and other functions. It is designed for use in piping system, refrigerated system and other applications.

### Functions

- ◇ Measure system pressure in real time.
- ◇ Zero offset correction.
- ◇ Big LCD screen ( $50 \times 26\text{mm}$ ) with backlight and visual display of various technical data in sections.
- ◇ Independent parameter setting pages simplify the operation.
- ◇ PT table displays pressure and corresponding saturated evaporation temperature.
- ◇ Undervoltage indication.
- ◇ Auto off can be set. It is enabled by default. Auto off time is selectable.
- ◇ Max/Min value is memorized after the gauge is on. The value can be cleared manually.

## PG-30Pro Digital Pressure Gauge User Manual



V1.0

### Specifications

- ◇ Pressure range: Red gauge: -0.1~5.515MPa(0 ~ 800psi);  
Blue gauge: -0.1~3.448MPa(0 ~ 500psi)
- ◇ Resolution: 0.001MPa, 0.1psi
- ◇ Accuracy: ±0.5%FS
- ◇ Sampling period: 1s
- ◇ Temperature unit: °C/°F
- ◇ Backlight time: The backlight will be off after 3s, 4s, 5s, 10s or 15s as set in case of no operation.
- ◇ LCD screen with blue backlight, 50 x 26 mm
- ◇ Measurement units: MPa, bar, psi, kPa, kg/cm<sup>2</sup>, cmHg
- ◇ Auto off: If this function enabled, the gauge will be off automatically after 10 (or 20, 30, 40) minutes per your settings. You may also disable this function by setting it as OFF, i.e. the gauge will be on all the time.
- ◇ Parameter settings: Auto off, pressure/temperature unit, backlight time
- ◇ PT table lists the pressure and temperature of 87 types of common refrigerants.
- ◇ Battery: 3 AAA batteries
- ◇ Battery life: Approx. 1 year
- ◇ Low battery indication at low battery level
- ◇ Operating environment: Temperature: -10°C~60°C;  
Humidity: 35%~85%RH

- ◇ Overpressure alarm: ALARM shows on top right of the screen if the blue gauge pressure goes above 500psi and the red gauge above 800psi; ALARM shows with backlight flashing if the blue gauge pressure goes above 625psi and the red gauge above 1000psi.

- ◇ Package: Blister pack
- ◇ Fitting: 1/8NPT

### Operation

- 1.On/Off: Press and release the ON/OFF key to turn on the gauge. Press and hold the ON/OFF key to turn off the gauge.
- 2.Zero: In MAX/MIN page, press and hold ZERO/► key to clear the MAX/MIN value. In home page, press and hold this key to clear current value; Press and hold it again to recover the value.

Note: Apply this operation before using the gauge. Do not zero during measurement.

#### 3.Parameter settings:

- 1) Press and hold ◀/SET key to enter parameter setting page. Press and release ON/OFF key to switch between parameters

AUTO, C-F, UNIT and B-L; Press and release ◀/SET or ZERO/► to set parameter value correspondingly.

- ◇ Auto shows to indicate you may set the auto off time to 10, 20, 30 or 40 min, and the gauge will be auto off per your time set-point. If you select OFF option, the gauge is on all the time.
- ◇ C-F indicates you may set temperature unit to °C or °F.
- ◇ UNIT shows to indicate you may set pressure unit as MPa, bar, psi, kPa, kg/cm<sup>2</sup> or cmHg.
- ◇ B-L shows to indicate you may set backlight ON time to 3s, 4s, 5s, 10s or 15s.
- 4.View values: Press and release ON/OFF key to scroll through MAX, MIN and current pressure value.
- 5.Switch refrigerants: In the home page, press and release ◀/SET or ZERO/► to scroll through refrigerant types and related temperature value.
- 6.Backlight on/off: Press any key to light the backlight.