

## CWY300 intelligent digital pressure calibrator



### Description:

CWY300-the intelligent digital pressure calibrator is developed and manufactured with independent intellectual property right, it is mainly used for calibrate pressure transmitters, pressure switches (controllers), the general pressure gauges, precise pressure gauges, blood pressures, or other pressure instruments, and can also be widely used in the precise measurement of pressure.

It can be used with CWY automatic pressure calibration station as its external pressure module, communicate with TMMS2000 and automatically print verification report.

### Specification:

Pressure measuring range: -100kPa~60MPa,

Accuracy: 0.02%F.S, 0.05%F.S, 0.1%F.S, 0.2%F.S

Current measuring range: (0~22)mA accuracy: 0.02, 0.05

Voltage measuring range: (0~5.5)V, accuracy: 0.05

Resistance measuring range: (0~20)Ω, accuracy: 1

The built-in power supply DC24V

Calibration results memory: 28/56 files, 40pcs record/file. 20pcs before and after adjustment

Clock function

**Ambient conditions:**

- a. Temperature: (-5~50)°C;
- b. RH(relative humidity): <95%;
- c. Atmospheric pressure: (86~105) kPa  
    Compensation temperature: (-5~50)°C  
    Storage temperature: (-30~80)°C

**Features:**

- Pressure unit: kPa, psi, inHg, inH<sub>2</sub>O, mmHg, mmH<sub>2</sub>O, MPa, bar, mbar, atm, kgf/cm<sup>2</sup>, Pa, total 12 options
- Pressure overload: It will display overload and warn when pressure measurements are over 110% F S.
- Display: LCD screen with white backlight, 5 digits display
- Power supply mode: 3.7V/3500mAH Lithium battery
- Auto power-off: Auto power-off after 20 minutes if there is no operation and the pressure change is less than 1% of the range within 1 minute.
- Communication serial port configuration:  
Baud rate: 57600; check bit: no, data bits: 8 bits; stop bits: 1 bit;

**Size:**

- External dimension: gauge head:  $\phi$  108mm $\times$ 43mm, overall length: 170mm
- Weight: about 0.6kg;
- Pressure connection: M20 $\times$ 1.5 (user defined eg. NPT);
- $\phi$  6mm quick socket(differential pressure model);
- Power connection:  $\phi$  6 standard banana plug;

Additional function: temperature test with  $\pm 0.1^\circ\text{C}$