

Portable automatic pressure calibrator-CWY1060F



Description

This product won four patents (ZL201220302065.8, ZL201220302062.4 ZL201420689202.7, 201530021958.4), CWY1060F(portable automatic pressure calibration stand) contains pressure generating, pressure measurement, electrical signal measurement and HART communication function, and is suitable for testing pressure transmitters, pressure switches, pressure controllers, pressure indicators.

HART function: It has built-in HART function to replace HART manual operator. It can set or calibrate HART transmitter range and make the current output a fixed value (eg.20ma, 12mA, 4mA), has linear or root square function and reset transmitter of the pressure sensor can be HART, etc.

Specification

Measuring range and accuracy:

Pressure range: 0~600 bar with 4 modules

Accuracy: 0.02% or 0.05%.

Display resolution: 5 digits.

Pressure units: Pa, kPa, MPa, psi, bar, mbar, inH₂O, mmH₂O, inHg, mmHg, kgf/cm², atm,

Current measuring range: (0~22) mA; Accuracy: 0.02% or 0.05%.

Voltage measuring range: (0~5.5) V; Accuracy: 0.05%.

Resistance measuring range: (0~22) Ω;

Other parameters:

Pressure interface: M20*1.5 female screw quick connector, or user defined

Current/voltage interface: Φ4 standard banana plug or user defined.

Power supply: **24V lithium battery**, working time: 1 day.

Temperature: water(5-50)°C, other medium(-5-50)°C.

7"color LCD touch screen, operating interface is beautiful.

Weight: 10Kg.

Dimensions: 215(H)*280(D)*320(W) mm.

Control features:

Pressure control stability: <0.025%F.S

Deviation: <0.1%F.S

Responding time: <120s.

Well-designed interface to displays graph.

User guide can be shown in the touch screen.

Automatic leak hunting with leak alarm function.

AC adapters can be used when the battery is low.

Features:

1. Automatically verify pressure transmitters, pressure switches, pressure gauges.
 2. pressure transmitters verification
 3. Standard checking point: 0%, 25%,50%,75%,100% of full range.
 4. Verification point default stabilization time: 20 seconds, set at any value within 10-240s.
 5. Whole time of automatic verification (9 points): about 5 minutes, quick pressure generating.
 6. Intrinsic **HART** protocols, it can be a HART operator for smart transducer.
 7. Pressure switches verification: automatically test pressure switches operation value and resetting value, and test pressure switches contact resistance.
 8. Result can be exported from **USB** or connected with **RS232**
 9. Security protection: overpressure, sensors failure etc.
 10. 10. Loop power: DC24V/30mA, reference gauge will not be damaged if it is connected incorrectly.
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