

MODEL VC25

Versatile, multifunction calibrator can be used to test and calibrate almost any process.

- Source and measure functions can be operated, and results displayed, simultaneously
- Sources and reads DC voltage and current, resistance, temperature, contact, frequency and pressure
- Accurate to 0.02%
- Simulates and reads 3 RTDs and 8 thermocouples
- Measures 2 or 3-wire RTDs
- Compatible with 32 pressure modules from 2.5kPa to 70MPa
- 24V loop power supply
- Provides 25% or 100% step output for DC current either manually or automatically
- Large 2-line LCD with white LED backlight
- User selectable auto power off
- Includes test leads, soft carrying case and batteries



VC25

Process Calibrator

READ

DC Voltage Range: 50mV, 500mV, 5V, 50V

Accuracy: $\pm 0.02\% + 10$, $\pm 0.02\% + 2$, $\pm 0.02\% + 5$, $\pm 0.03\% + 5$

DC Current Range: 50mA

Accuracy: $\pm 0.02\% + 2$

Resistance Range: 500 Ω , 5k Ω

Accuracy: $\pm 0.02\% + 0.1\Omega$, $\pm 0.02\% + 0.5\Omega$

Frequency Range: 100Hz, 1kHz, 10kHz

Accuracy: $\pm 2\%$

SOURCE

DC Voltage Range: 100mV, 1V, 10V

Accuracy: $\pm 0.02\% + 10$

DC Current Range: 20mA

Accuracy: $\pm 0.02\% + 10$

Resistance Range: 400 Ω , 4k Ω , 40k Ω

Accuracy: $\pm 0.02\% + 0.1\Omega$, $\pm 0.05\% + 1\Omega$, $\pm 0.1\% + 10\Omega$

Frequency Range: 100Hz, 1kHz, 10kHz, 100kHz

Accuracy: $\pm 2\%$

FUNCTION

Type R T/C

READ RANGE

ACC'Y

SOURCE RANGE

ACC'Y

-40/1760°C

$\pm 1.5^\circ\text{C}$

-40/1760°C

$\pm 1.2^\circ\text{C}$

Type S T/C

-20/1760°C

$\pm 1.5^\circ\text{C}$

-20/1760°C

$\pm 1.5^\circ\text{C}$

Type K T/C

-200/950°C

$\pm 0.8^\circ\text{C}$

-200/1370°C

$\pm 0.9^\circ\text{C}$

Type E T/C

-200/500°C

$\pm 1.5^\circ\text{C}$

-200/1000°C

$\pm 0.5^\circ\text{C}$

Type J T/C

-200/700°C

$\pm 0.7^\circ\text{C}$

-200/1200°C

$\pm 0.7^\circ\text{C}$

Type T T/C

-200/400°C

$\pm 0.7^\circ\text{C}$

-200/400°C

$\pm 0.6^\circ\text{C}$

Type N T/C

-200/1000°C

$\pm 0.9^\circ\text{C}$

-200/1300°C

$\pm 0.8^\circ\text{C}$

Type B T/C

400/1800°C

$\pm 1.8^\circ\text{C}$

400/1800°C

$\pm 1.1^\circ\text{C}$

Pt100 RTD

-200/700°C

$\pm 0.8^\circ\text{C}$

-200/850°C

$\pm 0.8^\circ\text{C}$

Pt1000 RTD

-200/630°C

$\pm 0.4^\circ\text{C}$

-200/630°C

$\pm 0.4^\circ\text{C}$

Cu50

-50/150°C

$\pm 0.7^\circ\text{C}$

-50/150°C

$\pm 0.5^\circ\text{C}$