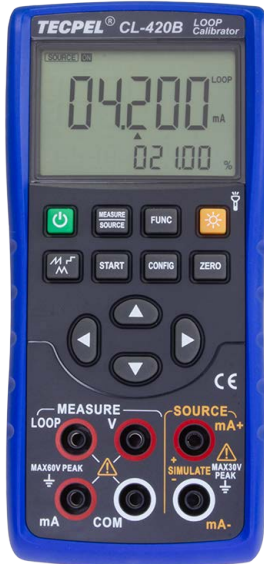


CL-420B Process Loop Calibrator



Main Features

- Output and measure DCA (20 mA) loop current
- Measure DC voltage up to 35 V
- Simulates transmitter output
- Provides 24 V loop power supply
- Simultaneous output and measurement
- 25% and 100% manual step function
- mA percentage display
- 5-digit large LCD display
- Ideal for process loop calibration, maintenance, and troubleshooting

Input Measurement

Input	Range	Resolution	Accuracy	Description
Voltage	±35.000 V	0.001 V	±0.02% rdg ±2 mV	Input impedance 1 MΩ
Current	-35.000 to 22.000 mA	0.001 mA	±0.02% rdg ±4 μA	Input impedance 10 Ω
Loop Power	24 V ±10%	-	-	Max output 22 mA

Output Functions

Output	Range	Resolution	Accuracy	Notes
Current	0.000 to 30.000 mA	0.001 mA	±0.05% set ±4 μA	Max load 1 kΩ @ 20 mA
Transmitter Simulation	0.000 to -20.000 mA	0.001 mA	±0.05% set ±4 μA	Supply 5–28 VDC

General Specifications

- Power Supply: 3 × AA batteries
- Battery Life: Approx. 12 hours (10 mA load)
- Max Allowable Voltage: 30 V (all terminals)
- Operating Environment: 0°C to 50°C, ≤80% RH
- Storage Environment: -10°C to 55°C, ≤90% RH
- Dimensions: 200 × 100 × 40 mm (with boot)
- Weight: 550 g (with boot)
- Accessories: Manual, CF-36 industrial test leads
- Safety: IEC 1010 compliant