

CALOG Calibrators

Process Instrumentation Calibrators

The Calog range of smart hand-held calibrators is the new standard to beat, in industrial process control calibration. They are tough sophisticated precision instruments, portable, light-weight and user-friendly.

Calog calibrators are designed for accurate calibration and measurement of industrial equipment. Yet are small enough to fit into the palm of your hand, hold enough charge for hours of continuous work and are robust enough to withstand the rigors of most any industrial environment. They redefine the standard for precision and accuracy in the field of hand held calibration.



CALOG Loop Calibrator

The Calog Loop Calibrator unit is ideal for testing, installing and maintain all powered and non-powered milliamp loops.

Measuring

Analog Input Ranges	Impedance	Accuracy	Resolution
0-24mA	Input impedance $\pm 17\Omega$	0.01%	1 μ A
0-32V	Input impedance $\pm 110k\Omega$	0.005%	1mV
Continuity within a 100 Ω trigger and 1mA. Gives a visual & audible configuration.			

Sourcing

Analog Output Ranges	Max Load	Accuracy	Resolution
0-24mA	Output load max 500 Ω	0.01%	1 μ A



CALOG Loadcell Calibrator

The Calog Loadcell Calibrator unit is ideal for testing 4 and 6 wire loadcells, checking insulation breakdown, weighing system calibration and simulation.

Measuring

Analog Input Ranges	Range	Impedance	Error Limits	Resolution
Bridge balance	-5 to 10.000mV/V	>1M Ω	0.02mV/V	0.001mV/V
Resistance	0 to 2000.0 Ω		0.03%FS	0.1 Ω
Millivolt	-4.5 to 35.000mV	>1 M Ω	0.005%FS	0.001mV
Voltage	0 to 20.000V	>110k Ω	0.005%FS	0.01V
Current	0 to 24.000mA	$\pm 17\Omega$	0.01%FS	0.001mA
Insulation	0 to 5000M Ω		1%FS	1 M Ω

Sourcing

Analog Output Ranges	Range	Impedance	Error Limits	Resolution
Millivolts	-4.5 to 35.000mV	min 500 Ω	0.005%FS	0.001mV
Milliamps	0 - 24.000mA	max 600 Ω	0.01%FS	0.001mA



CALOG Process Calibrator

The Calog Process Calibrator unit is ideal for testing, installing and calibration of most process control systems, especially PLC based systems. It's main function is as a precision calibrator and measuring device of Voltage, Current and Frequency.

Measuring

Analog Input Ranges	Impedance	Accuracy	Resolution
0 to 24 mA	Input impedance $\pm 17\Omega$	0.01%	1 μ A
0 to 32V	Input impedance $\pm 110k\Omega$	0.005%	1 mV
-10 to 100mV	Input impedance > 1M Ω	0.005%	1 μ V
0.5 to 100Hz	Input impedance 110k Ω	0.001%	0.1Hz
1 to 20 000Hz	Input impedance 110k Ω	0.001%	1Hz
Continuity with a 100 Ω trigger.			

Sourcing

Analog Output Ranges	Max Load	Accuracy	Resolution
0-24mA	Output load max 500 Ω	0.01%	1 μ A
0 to 12V	Output load min 600 Ω	0.01%	1mV
-10 to 100mV & 0.5 to 100Hz & 1 to 20 000Hz Continuity with a 100 Ω trigger and 1mA.			

Call Toll Free: 1-877-PQ-SOLNS (1-877-777-6567) or 303-805-5252 email: info@measurlogic.com

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CALOG Thermocouple Calibrator

The Calog Thermocouple Calibrator unit is ideal for testing, measuring and calibration of all thermocouple based systems. In addition it contains functions to install and maintain all powered and non-powered milliamp loops.

Measuring			
Analog Input Ranges	Impedance	Accuracy	Resolution
0 to 24mA	Input impedance $\pm 17\Omega$	0.01%	1 μ A
0 to 32V	Input impedance $\pm 110k\Omega$	0.005%	1mV
-10 to 100mV	Input Impedance $> 1M\Omega$	0.01%	1 μ V
Thermocouple types*	Input impedance $> 1M\Omega$	0.05%	0.1°C

*TC types are the K, J, T, B, R, S, E, N, C(W5) and D(W3) (IEC 584-3)

Sourcing			
Analog Output Ranges	Impedance	Accuracy	Resolution
0 to 24mA	Max load 500 Ω	0.01%	1 μ A
-10 to 100mV	Min. load 600 Ω	0.01%	1 μ V
Thermocouple types*	Min. load 600 Ω	0.05%	0.1°C

*TC types are the K, J, T, B, R, S, E, N, C(W5) and D(W3) (IEC 584-3).



CALOG Pressure Calibrator

The Calog Pressure Calibrator unit is ideal for testing, measuring and calibration of all pressure based systems. In addition it contains functions to install and maintain all powered and non-powered milliamp loops.

Measuring			
Analog Input Ranges	Impedance	Accuracy	Resolution
0-24mA	Input impedance $\pm 17\Omega$	0.01%	1 μ A
0-32V	Input impedance $\pm 110k\Omega$	0.005%	1mV

Sourcing			
Analog Output Ranges	Max load	Accuracy	Resolution
0-24mA	Output load Max 500 Ω	0.01%	1 μ A



CALOG RTD Calibrator

The Calog RTD Calibrator unit is ideal for testing, measuring and calibration of all RTD based systems. In addition it contains functions to install and maintain all powered and non-powered milliamp loops.

Measuring			
Analog Input Ranges	Impedance	Accuracy	Resolution
0 to 24mA	Input impedance $\pm 17\Omega$	0.01%	1 μ A
0 to 2200.0 Ω		0.01%FS	0.01/0.1 Ω
RTD types: Pt50, Pt100		0.01%FS	0.1°C
Pt200, Pt500 and Pt1000			
Ni100 and Ni120			

Sourcing			
Analog Output Ranges	Max Load	Accuracy	Resolution
0-24mA	Output load max500 Ω	0.01%	1 μ A
1 to 400.00 Ω	10 - 400 Ω	0.01%FS	0.01 Ω
1 to 2200.0 Ω	10 - 2k2 Ω	0.01%FS	0.1 Ω

Distributor:

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