

# Calog Calibrators

## Loop and process calibrator



The Eurotron Calog series of process calibrator offer a new choice of hand held calibrators. This self contained instruments, rechargeable battery operated, fits comfortably in a shirt pocket. These tool are ideal for test/calibration of control loop, SCADA system, valve stroking. Robust enough to withstand the rigor of most industrial Enviroments, they are powered by long life NI-HM batteries,monitored y "fuel gauges" and incorporate a clear back-lit display.

For quick source value set up, the calog uses the "key-per-digit" numeric setting features that enable user to simply scroll each digit up and down. Advanced features and technical innovations addresses more application in less time.A trend logging feature for long term loop monitoring and the 24 VDC built-in loop power supply are some of the additional benefit that the product offers.

### Calog Loop

Loop Calibrator

- Measure/Source 0-24 mA
- 32 VDC loop testing facility
- Selecatble default range 0-20 or 4-20 mA
- switch test and 24 V loop power
- Simultaneously mA and %
- Linear, Square function, flow function
- Programmable step and Ramp
- Process function, graphic display

### Calog Process

Process Loop Calibrator

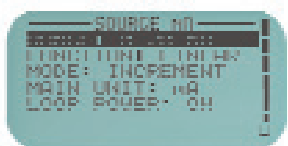
- features of the Calog , plus+
- measure/source frequency to 20 KHz
- Source Voltage 0-12 VDC
- measure and source simultaneously
- Dual channel display
- Process function, graphic display

### Loop Power Supply

Internal 24 VDC loop power supply both in measure and source model, essential when using Calog during plant shout down

### Current display

Simultaneous display of mA and percentage value both 0-20 or 4-20 mA range selectable. When in flow mode, Calog will convert the mA reading into % of Flow



### Auto-step and Ramp

Calog can source mA value as Increment, stroke, ramp, step and automatic step.

Step value, dwelling time and Ramp time are easy programmable by the user. This automated feature allow a single handed loop testing and valve set up.

## SPECIFICATION

Model	Function	Parameter	Resolution	Accuracy
Calog process	measure/source	0-24 mA	1 $\mu$ A	$\pm$ 0.01 % FS
	measure	0-32 VDC	1 mV	0.005% FS
	source	0-12 VDC	1 mV	0.005% FS
	measure	Continuity, 100 ohm trigger		
	measure/source	-10 to 100 mV	1 $\mu$ V	0.005 % FS
Calog Loop	measure/source	0.5 to 20.000 Hz, auto range	0.1 - 1 Hz	0.001% FS
	measure/source	0 to 24 mA	1 $\mu$ A	0.01 % FS
	measure	0 to 32 V	1 mV	0.005 % FS
	measure	Continuity, 100 ohm trigger		

### Ordering Information

When ordering please state the following (where applicable)

Calog Loop Calibartor  
Calog Process Calibrator

### Included Accessories

Calog Loop and Calog Process include, rubber sleeve, set of test leads, rechargeable battery, charger, ABS transit case ,calibration certificate and instruction manual.

## CAPABILITIES

	Calog Loop	Calog Process
measure/Source mA	•	•
measure/source Frequency		•
source Voltage (0-12 VDC)		•
measure Volatge (0-32 VDC)	•	•
Dual Channel display	•	•
Loop Power supply	•	•
switch test	•	•
Ramp/Step/process function	•	•
Linear/square/flow function	•	•
Graphic Display	•	•

### Features

#### Continuity Test/switch test

This give both visual and audible confirmation and can be used in switch testing operation. The feature reduce the dependence from a DMM and avoid to carry on filed two separete tester

#### DC Voltage Measurement

For loop trouble shooting and testing of voltage output instruments Calog measure up to 32 Vdc

#### Fast Operation

For quick fast set up Calog uses the Key-per-digit numeric setting that enable the user to scroll each digit up or down

#### Additional feature/benefit

- Adjustable display contrast, Adjustable resolution
- Selectable auto power off/on, Battery status indicator
- Information menu to include s/n, software version and calibration date
- mA loop error message with audible warning
- mA loop ohm to high with audible warning
- Over/Under range "vvvvvv" with audible alarm

### Environmental

#### Operating temperature range

0 to 50°C

#### Storage temperature

-20 to 55°C

#### Humidity

85 % non-condensing

#### Physical

340g, 85 x 155 x 43mm

#### Protection

UL 94 V-0 Flame retardant ABS plastic with rubber sleeve

#### Display

128mm x 64mm graphic display with back-lit LCD

#### Power supply

Ni-HM battery pack with temperature sensing

Battery Life 10 Hrs with loop power on, 50 Hrs loop power disabled