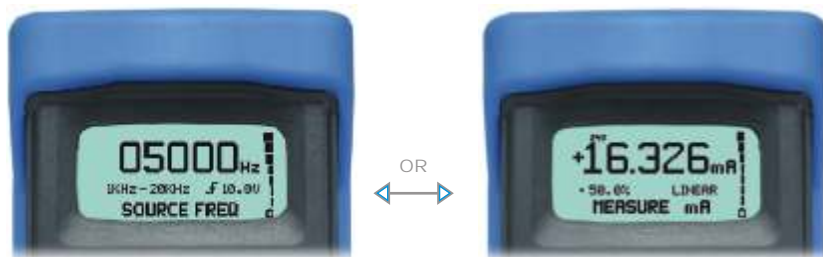


CALOG - PRO



The **CALOG-PRO** is a high precision, multi-function, hand-held calibrator designed for the process control industry. The unit is capable of displaying measured values, sourced values or split screen measure and source simultaneously. Variables are milliamps, volts, millivolts, frequency and counts. It is especially suitable for PLC and SCADA applications. Circuit continuity can be measured with both audible and visual indication.

The back-lit LCD shows the actual values measured and sourced, alternatively graphs the trend with a programmable time base. This important feature can be used for recording, fault finding or optimizing control settings.



MEASURING

mA

mV

V

Hz

Counts



ANALOGUE INPUT RANGES

0 to 24mA
0 to 32V
-10 to 100mV
0.5 to 100Hz
1 to 20 000Hz

Continuity with a 100Ω trigger. Visual and audible confirmation.

IMPEDANCE

Input impedance ±17Ω
Input impedance ±110kΩ
input impedance > 1MΩ
Input impedance 110kΩ
Input impedance 110kΩ

ACCURACY

0.01%FS
0.005%FS
0.005%FS
0.001%FS
0.001%FS

RESOLUTION

1μA
1mV
1μV
0.1Hz
1Hz

SOURCING

ANALOGUE OUTPUT RANGES

0 to 24mA
0 to 12V
-10 to 100mV
0.5 to 100Hz
1 to 20 000Hz

Continuity with a 100Ω trigger and 1mA. Gives visual and audible confirmation.

Max load

Output load max 500Ω
Output load min 600Ω

ACCURACY

0.01%FS
0.01%FS

RESOLUTION

1μA
1mV

INSULATION

Max 100VDC between all input and output circuits

CALOG Calibrators

The *CALOG* range of process instrumentation calibrators are designed for servicing, repairs in the workshop and the plant environment. They are tough, sophisticated precision instruments that are portable, compact and user-friendly.

Robust enough to withstand the rigors of most industrial environments, they are powered by long-life Nickel metal hydride batteries, monitored by 'fuel gauges' and incorporate a clear, back-lit graphic display.

For quick source value set-up, the *CALOG* uses the "key-per-digit" numeric setting feature that enables the user to scroll each digit up or down.

The graphic display can be selected to display the measured value or trend with programmable time base.

Features

- Small, rugged, handheld with a protective rubber cover.
- Graphic display of measured value, percent and battery status
- Contain serial technology components for compact size, accuracy and reliability
- Programmable auto-off, restart at last setting and selectable display resolution
- NiMH Battery pack, charger, carry case, and test leads supplied as standard
- 1 year guarantee

Environmental

- | | | |
|--------------------------|-----------------------------|---------------------|
| <input type="checkbox"/> | Operating temperature range | 0 to +50°C |
| <input type="checkbox"/> | Storage temperature range | -20 to +55°C |
| <input type="checkbox"/> | Humidity | <85% non-condensing |

Mechanical Specifications

- | | | |
|--------------------------|----------------------------------|--|
| <input type="checkbox"/> | Dimensions (with the boot on) | 85 x 155 x 43mm, IP54 rating (dust and splash proof) |
| <input type="checkbox"/> | Dimensions (without the boot on) | 77 x 145 x 34mm, IP54 rating (dust and splash proof) |
| <input type="checkbox"/> | Protection | UL 94 V-0 flame retardant ABS plastic with rubber boot |
| <input type="checkbox"/> | Weight | 340g |

General Specifications

- | | | |
|--------------------------|--------------|---|
| <input type="checkbox"/> | Display | 128 x 64 graphics display with back-lit LCD |
| <input type="checkbox"/> | Keypad | 16 Key embossed buttons |
| <input type="checkbox"/> | Batteries | NiMH battery pack with temperature sensing |
| <input type="checkbox"/> | Battery life | Approx. 10 Hours, loop power enabled sourcing 12mA
Approx. 50 Hours, loop power disabled |

Error messages

- | | | |
|--------------------------|----------------------|---|
| <input type="checkbox"/> | Over range | ^^^ with audible warning |
| <input type="checkbox"/> | Under range | vvv with audible warning |
| <input type="checkbox"/> | mA loop error | "loop error" with audible warning |
| <input type="checkbox"/> | mA loop ohms to high | "check loop Ω " with audible warning |

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