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 programable time base. This important feature can be used for recording, fault finding or optimizing control settings.

OR

MEASURING

mA mV V Hz Counts

ANALOGUE INPUT RANGES	IMPEDANCE	ACCURACY	RESOLUTION
0 to 24mA	Input impedance ±17Ω	0.01%FS	1µA
0 to 32V	Input impedance ±110kΩ	0.005%FS	1mV
-10 to 100mV	input impedance > 1MΩ	0.005%FS	1µV
0.5 to 100Hz	Input impedance 110kΩ	0.001%FS	0.1Hz
1 to 20 000Hz	Input impedance 110kΩ	0.001%FS	1Hz

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

SOURCING

ANALOGUE OUTPUT RANGES	Max load	ACCURACY	RESOLUTION
0 to 24mA	Output load max 500Ω	0.01%FS	1µA
0 to 12V	Output load min 600Ω	0.01%FS	1mV
-10 to 100mV			
0.5 to 100Hz			
1 to 20 000Hz			

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

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

Operating temperature range	0 to +50°C
Storage temperature range	-20 to +55°C
Humidity	<85% non-condensing

Mechanical Specifications

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

General Specifications

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

Error messages

Over range	^^^^ with audible warning
Under range	vvvv with audible warning
mA loop error	"loop error" with audible warning
mA loop ohms to high	"check loop Ω" with audible warning

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