

# CALOG - PRESSURE II



with Datalogging

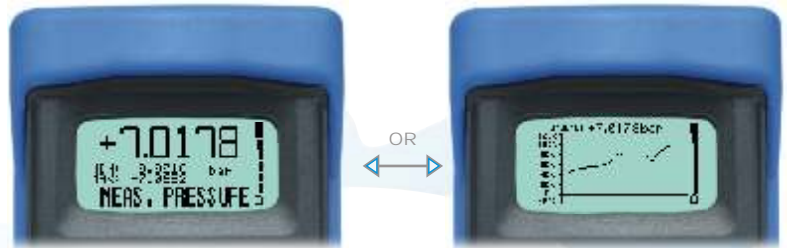


The *CALOG - PRESSURE II* is the second generation of pressure calibrator in the popular *CALOG CALIBRATOR* range. Using the latest ARM processor, the *CALOG - PRESSURE II* becomes a powerful field instrument with the added feature of datalogging via SD card. It's speciality is pressure measurement and milliamp loop powered instruments which it can measure, source and simulate. DC voltage and circuit continuity can also be measured.

The *CALOG - PRESSURE II*'s logging facility stores data on the SD card supplied, which is easily downloaded from the SD card to a PC via the on board USB port and can then be opened up within most spreadsheet formats.

A Trend logging feature with programmable time base is supplied for long term loop monitoring. It can display values in mA and % or % and mA, with built in 24V excitation loop power.

It's small size, Li-ion battery and high precision make the *CALOG - PRESSURE II* ideal for industrial field calibration.



## MEASURING



### ANALOGUE INPUT RANGES

0 to 24mA

0 to 32V

Continuity with a <math><100\Omega</math> trigger @ 1mA. Visual and audible confirmation.

A wide range of Keller PA-33X series digital pressure sensors are available.

### IMPEDANCE

Input impedance  $\pm 17\Omega$

Input impedance  $> 110k\Omega$

### ACCURACY

0.01%FS

0.005%FS

0.05%FS with  
a 0.02%FS  
option

### RESOLUTION

1 $\mu$ A

1mV

Dependant on  
Sensor  
used

## SOURCING

### ANALOGUE OUTPUT RANGES

0 to 24mA

### MAX LOAD

Output load max 500 $\Omega$

### ACCURACY

0.01%FS

### RESOLUTION

1 $\mu$ A

# 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 Lithium Ion batteries and incorporate a clear, back-lit LCD 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
- Datalogging with SD Card and downloaded to a PC via on board USB port
- Programmable auto-off and selectable date and time
- Lithium Ion battery pack, desktop charger, carry case and safety test leads supplied as standard
- 2 year guarantee against faulty material or workmanship (Batteries not included)

## 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)    | 86 x 155 x 43mm, IP54 rating (dust and splash proof)   |
| <input type="checkbox"/> | Dimensions (without the boot) | 77 x 149 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 LCD graphic display with back-light |
| <input type="checkbox"/> | Keypad           | 16 Key embossed buttons                      |
| <input type="checkbox"/> | Battery          | Lithium Ion with temperature sensing         |
| <input type="checkbox"/> | Battery run life | Approx. 8 Hours, measure and source          |

## 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 too high | “check loop $\Omega$ ” with audible warning |

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