

# Process calibrator

## High performance easy to use calibrator

### 3 INSTRUMENTS IN ONE

- Process calibrator
- DMM
- Pulse generator



Sefram 4830

### Capabilities

- Voltage source  $\pm 15V$
- Current source  $\pm 25mA$
- Square signal generator
- 50000 counts multimeter, with simultaneous measurement
- Measure voltage, current, frequency
- Temperature measurement
- Datalogger mode
- Backlighted LCD display

### Technical Specification

Source mode

#### Constant voltage output

Range  $\pm 1,5V$  and  $\pm 15V$

Accuracy  $\pm(0,03\% + 3d)$

Resolution  $0,1mV$  and  $1mV$

#### Constant current source

Range  $\pm 25mA$

Maximum load  $500 \text{ ohms}$  (12V)

Accuracy  $\pm(0,03\% + 5d)$

Resolution  $1\mu A$

#### Frequency source

Range  $0,5Hz$  to  $4800Hz$

Amplitude  $5, 12, \pm 5V$  and  $\pm 12V$

Pulse width variation  $1/Freq*256$

#### Memory generation

SCAN  $16$  steps

Ramp  $999$  steps

#### Multimeter mode

Display counts  $50000$

Measurement method TRMS AC+DC

DCV ranges  $50mV$  to  $250V$

ACV ranges  $50mV$  to  $250V$

DCA ranges  $50mA$  /  $500mA$

ACA ranges  $50mA$  /  $500mA$

Resistance ranges  $500 \text{ ohms}$  to  $50\text{Mohms}$

% scale for mA  $0-20mA$  and  $4-20mA$

Supplied with : test leads, protective carrying case, NiMH rechargeable batteries, main adaptor, user's manual

Delivered with software RS232 including RS485 interface

Optional accessories : see page 54, 55, 56, 57.

### Technical Specification

#### Sefram 4830

Diode test yes

Continuity with buzzer yes

#### Frequency measurement

Range  $1Hz$  to  $200kHz$

Pulse width  $0,2ms$  to  $1999,9ms$

Duty cycle  $0,1\%$  to  $99,9\%$

Temperature (K type)  $0^{\circ}C$  compensation

Peak Hold yes,  $1ms$

Datalogger yes

#### General Specification

Display LCD, backlit

Auto power off off / 1 to  $999 mn$

Interface RS232, IEEE485, SCPI

Operating temperature  $0^{\circ}C$  to  $40^{\circ}C$

Power supply 8 x 1,2 NIMH

Dimensions  $54 \times 90 \times 192 mm$

Weight 1710g

CETLUS 250V CAT II

