

## Product Datasheet - Technical Specifications



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## LCD voltage and continuity tester

### Main features

- Start voltage : 6V
- Polarity indication
- Continuity test
- Single-pole phase test
- Phase rotation test
- Torch light
- Side detection for ELV and continuity
- Auto-power ON / OFF
- High resolution voltage of 0.1 V (<30 V)
- Voltage range : 1000V AC and 1500V DC
- Non-Contact Voltage detection
- RCD trip test (via 2-button activation)
- Diode test
- Voltage test with load
- Resistance measurement
- Frequency measurement
- Vibration motor for ELV

### Easy to use

The new SEFRAM 66 is an easy-to-use instrument :  
Direct reading of voltage and polarity on LCD backlight screen.

### Robustness and efficacy

Robust, The SEFRAM 66 is a field device resilient to shocks. This tester is equipped with a torch light for measurements in dark environments. The LCD display permit without ambiguity an instantaneous evaluation of the measured voltage. The vibrator is activated and the backlight changes color when voltage is detected.

### Safety

The SEFRAM 66 has been designed, tested and approved according to the EN61243-3 standard. Designed with IP2X test probes, the user will be protected in any cases, including misuse of the instrument. The SEFRAM 66 is rated : CAT III - 1000V and CAT IV - 600V. It's equipped with complete autotest enable operating verification and with a double safety information (in front and on a side).



Specifications	SEFRAM 66
Voltage range	1V to 1000 VAC (16 à 800 Hz), 1 to 1500 VDC
Nominal voltage	6/12/24/50/120/230/400/690 V (represented shown as LCD segments)
LED Tolerances	According to EN 61243-3
ELV-Indication LED	for V>50 VAC or V>120 VDC
Response time	<1s to 100 % of each nominal value
LCD Range	1 to 1000 VAC (16 to 800 Hz), 1 to 1500 VDC
LCD Resolution	0.1 V (1 to 29.9 V), 1 V (30 to 1500 V)
LCD voltage accuracy	±3 % ±5 dgt (1 to 29.9 V) ±3 % ±3 dgt (30 to 1500 V)
Overrange indication	'OL' display
Safety current	Is < 3.5 mA (at 1000 V)
Peak current	<3.5 mA (at 1000 V)
Measurement duty	30 s ON (operation time <690 V), 10 s ON (operation time >690 V), 240 s OFF (recovery time)
Internal battery consumption	Approx. 120 mA
Single-pole phase test voltage range	100 to 1000 VAC (50/60 Hz)
Phase rotation test	170 to 1000 V phase-to-phase, AC (40-70 Hz)
Continuity test	0 to 500 kΩ + 50 %
<b>Resistance measurement</b>	
Range	0 to 1999 Ω
Précision	5 % ±10 dgt at 25 °C
Resolution	1 Ω
<b>Frequency measurement</b>	
Range	1 at 800 Hz
Precision	±5 % ±5 dgt;
resolution	1 Hz
RCD test	30 mA at 230 V
General specifications	
Power supply	2x 1.5V IEC LR03 / AAA
Operating temperature	-15 to 55°C
Storage temperature	-20 to 70°C without condensation
Humidity	85% relative humidity max.
Altitude	Up to 2000 m
Safety / overvoltage	CAT III 1000V / CAT IV 600V
Standard	EN/IEC 61243-3:2014
Protection	IP 64
Dimensions	239 x 68 x 29 mm
Weight	235 g with batteries
Warranty	2 years

**Optional accessories:**

SC518: Protective bag

SC523: Belt case



SC518: Protective bag



SC523: Belt case



FT SEFRAM66 A00 - Specifications can be updated without notice

