





LCD voltage and continuity tester

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DINCV Hz

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HOLD

230 120 50

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 equiped with a torch light for measurements in dark environments. The LCD display permit without ambiguity an instaneous 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 equiped with complete

autotest enable operating verification and with a double safety information (in front and on a side).













Continuity test

Voltage detection

Autotest

Vibrator

RCD trip test





LCD voltage and continuity tester

Voltage range			
Nominal voltage 6/12/24/50/120/230/400/690 V (represented shown as LCD segments)		SEFRAM 66	
Nominal voltage		1V to 1000 VAC (16 à 800 Hz), 1 to 1500 VDC	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	6/12/24	50/120/230/400/690 V (represented shown as LCD segments)	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		According to EN 61243-3	
Response time			
LCD Resolution $0.1 \text{ V } (1 \text{ to } 29.9 \text{ V}), 1 \text{ V } (\overline{30} \text{ to } 1500 \text{ V})$ LCD voltage accuracy $\pm 3 \text{ % } \pm 5 \text{ dgt } (1 \text{ to } 29.9 \text{ V})$ $\pm 3 \text{ % } \pm 5 \text{ dgt } (30 \text{ to } 1500 \text{ V})$ Overrange indication"'0L' displaySafety current $ \text{Is} < 3.5 \text{ mA } (\text{at } 1000 \text{ V}) $ Peak current $ \text{Second } \text{Second } $ Measurement duty $ \text{Second } \text{Second } $ Measurement duty $ \text{Second } \text{Second } $ Internal battery consumption $ \text{Approx. } 120 \text{ mA} $ Single-pole phase test voltage range $ \text{Second } \text{Second } $ Phase rotation test $ \text{Second } \text{Second } $ Continuity test $ \text{Second } \text{Second } $ Resistance measurement $ \text{Second } \text{Second } $ Range $ \text{Second } \text{Second } $ Précision $ \text{Second } $ Resolution $ \text{Second } $ Frequency measurement $ \text{Second } $		<1s to 100 % of each nominal value	
LCD Resolution $0.1 \text{ V } (1 \text{ to } 29.9 \text{ V}), 1 \text{ V } (30 \text{ to } 1500 \text{ V})$ LCD voltage accuracy $\pm 3 \text{ % } \pm 5 \text{ dgt } (1 \text{ to } 29.9 \text{ V})$ $\pm 3 \text{ % } \pm 5 \text{ dgt } (30 \text{ to } 1500 \text{ V})$ Overrange indication"'OL' displaySafety current $ \text{Is} < 3.5 \text{ mA } (at 1000 \text{ V}) $ Peak current $ \text{Second } \text{Second } $ Measurement duty $ \text{Second } \text{Second } $ Internal battery consumption $ \text{Approx. } 120 \text{ mA} $ Single-pole phase test voltage range $ \text{Internal } \text{Internal } $ Phase rotation test $ \text{Internal } \text{Internal } $ Continuity test $ \text{Internal } \text{Internal } $ Resistance measurement $ \text{Internal } \text{Internal } $ Range $ \text{Internal } \text{Internal } $ Précision $ \text{Internal } $ Resolution $ \text{Internal } $ Frequency measurement $ \text{Internal } $		1 to 1000 VAC (16 to 800 Hz), 1 to 1500 VDC	
$ \begin{array}{c c} LCD \ voltage \ accuracy \\ & \pm 3 \ \% \pm 5 \ dgt \ (1 \ to \ 29.9 \ V) \\ & \pm 3 \ \% \pm 3 \ dgt \ (30 \ to \ 1500 \ V) \\ \hline \\ Noverrange \ indication \\ Safety \ current \\ Safety \ current \\ Peak \ current \\ Safety \ cu$			
$\frac{\pm 3\% \pm 3 \text{ dgt } (30 \text{ to } 1500 \text{ V})}{\text{Overrange indication}}$ Overrange indication $\frac{1}{3} \text{ Current}$ $\frac{1}{3} \text{ Safety current}$ $\frac{3}{3} \text{ S mA (at } 1000 \text{ V})$ Measurement duty $\frac{30 \text{ s ON (operation time } < 690 \text{ V}), 10 \text{ s ON (operation time } > 690 \text{ V}),}{240 \text{ s OFF (recovery time)}}$ Internal battery consumption $\frac{30 \text{ s ON (operation time } < 690 \text{ V}), 10 \text{ s ON (operation time } > 690 \text{ V}),}{240 \text{ s OFF (recovery time)}}$ Internal battery consumption $\frac{30 \text{ s ON (operation time } < 690 \text{ V}), 10 \text{ s ON (operation time } > 690 \text{ V}),}{240 \text{ s OFF (recovery time)}}$ Internal battery consumption $\frac{30 \text{ s ON (operation time } < 690 \text{ V}), 10 \text{ s ON (operation time } > 690 \text{ V}),}{240 \text{ s OFF (recovery time)}}$ Internal battery consumption $\frac{30 \text{ s ON (operation time } < 690 \text{ V}), 10 \text{ s ON (operation time } > 690 \text{ V}),}{240 \text{ s OFF (recovery time)}}$ Internal battery consumption $\frac{30 \text{ s ON (operation time } < 690 \text{ V}), 10 \text{ s ON (operation time } < 690 \text{ V}),}{240 \text{ s OFF (recovery time)}}$ Internal battery consumption $\frac{30 \text{ s ON (operation time } < 690 \text{ V}), 10 \text{ s ON (operation time } < 690 \text{ V}),}{240 \text{ s OFF (recovery time)}}$ Internal battery consumption $\frac{30 \text{ s ON (operation time } < 690 \text{ V}), 10 \text{ s ON (operation time } < 690 \text{ V}),}{240 \text{ s OFF (recovery time)}}$ $\frac{240 \text{ s OFF (recovery time)}}{100 \text{ to } 1000 \text{ V operation time } < 690 \text{ V}),}{240 \text{ s OFF (recovery time)}}$ $\frac{100 \text{ to } 1000 \text{ V operation time } < 690 \text{ V}),}{240 \text{ s OFF (recovery time)}}$ $\frac{100 \text{ to } 1000 \text{ V operation time } < 690 \text{ V}),}{240 \text{ s OFF (recovery time)}}$ $\frac{100 \text{ to } 1000 \text{ V operation time } < 690 \text{ V}),}{240 \text{ s ON (operation time } < 690 \text{ V}),}{240 \text{ s ON (operation time } < 690 \text{ V}),}$ $\frac{100 \text{ to } 1000 \text{ V operation time } < 690 \text{ V}),}{240 \text{ s ON (operation time } < 690 \text{ V}),}{240 \text{ s ON (operation time } < 690 \text{ V}),}$ $\frac{100 \text{ to } 1000 \text{ V operation } < 1000 \text{ V operation } < 1000 V op$			
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$\begin{array}{ccc} & & & \text{at 25 °C} \\ \text{Resolution} & & & \text{1 } \Omega \\ \text{Frequency measurement} & & & & \\ \end{array}$			
Resolution 1Ω Frequency measurement			
		1 at 800 Hz	
Precision ±5 % ±5 dqt;		±5 % ±5 dat:	
resolution 1 Hz			
RCD test 30 mA at 230 V		30 mA at 230 V	
General specifications	i i		
Power supply 2x 1.5V IEC LR03 / AAA			
Operating temperature -15 to 55°C			
		-20 to 70°C without condensation	
Humidity 85% relative humidity max.		85% relative humidity max.	
		Up to 2000 m	
Safety / overvoltage CAT III 1000V / CAT IV 600V			
Standard EN/IEC 61243-3:2014			
Protection IP 64		IP 64	
Dimensions 239 x 68 x 29 mm			
Weight 235 g with batteries		235 g with batteries	
Warranty 2 years		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

Sefram



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