Datasheet

Non-Contact Voltage Detectors

SEFRAM21 | SEFRAM22

Compact, intuitive, and built to last: the SEFRAM21 and SEFRAM22 are the trusted companions of demanding electricians.



SEFRAM21



SEFRAM22

KEY FEATURES

- Non-contact AC voltage detection from 12 V to 1 000 V
- Dual sensitivity for accurate localization of live conductors from 12 V
- Clear visual LED indication (3 levels of detection) with audible buzzer
- Integrated LED work light for dark installations
- Automatic power-off to extend battery life
- Rugged, ergonomic design built for professional use
- CAT IV 1 000 V safety rating

Additional features (SEFRAM22 only)

- Phase sequence indication for three-phase systems
- IP67 protection rating for demanding industrial environments

Developed for electricians, maintenance technicians, and installers, these testers allow quick verification of voltage presence on outlets, terminals, cables, circuit breakers, and distribution panels — without direct contact.

Both models feature clear visual indication, an audible buzzer, and an integrated LED flashlight, ensuring efficient operation even in low-light conditions.

Dual sensitivity enables precise localization of live conductors from 12 V up to 1 000 V AC. Compliant with CAT IV 1 000 V safety standards, the SEFRAM21 and SEFRAM22 deliver a high level of protection for professionals working on installation and maintenance tasks.

SEFRAM21
An essential and practical voltage detector for everyday electrical work, combining simplicity, robustness, and reliability.

SEFRAM22
Designed for industrial environments, the SEFRAM22 goes further with phase sequence indication, allowing quick and easy measurement by scanning the phases one after another, enabling rapid verification of three-phase motor wiring and industrial power networks. With IP67 protection, it is particularly suited for demanding production and maintenance environments.

APPLICATIONS



Verification of voltage presence on outlets, terminals, cables, and equipment



Voltage detection inside conduits and electrical panels



Phase rotation indication (SEFRAM22)

Specifications



SEFRAM21



SEFRAM22

Models	SEFRAM21	SEFRAM22
AC voltage detection range	12 to 1 000 V	12 to 1 000 V
Frequency	50 Hz to 60 Hz	50 Hz to 60 Hz
Detection sensitivity	Low, Medium, High	Low, Medium, High
Phase sequence indication	-	✓
Dual sensitivity	✓	✓
Buzzer	✓	✓
LED flashlight	✓	✓
Low battery indicator	✓	✓
Auto power-off	✓	✓
Protection rating	-	**IP67**
Operating temperature	0 to 40 °C	0 to 40 °C
Storage temperature	-10 to 50 °C	-10 to 50 °C
Altitude	< 2 000 m	< 2 000 m
Safety category	CAT IV 1 000 V	CAT IV 1 000 V
Power supply	2 × 1.5 V AAA	2 × 1.5 V AAA
Dimensions	156 mm × 20 mm × 20 mm	168 mm × 29 mm × 25 mm
Weight	45 g (batteries not included)	45 g (batteries not included)
Warranty	1 year	1 year
Delivered with	Supplied in blister with 2 AAA batteries	Supplied in blister with 2 AAA batteries
		

About SEFRAM INSTRUMENTS

Sefram Instruments is a French designer and manufacturer of electronic test and measurement equipment. Founded in 1947 and based in Saint-Étienne, the company provides reliable, user-friendly tools for professionals in telecommunications, electrical engineering, and industrial maintenance. Its product range includes data recorders, multimeters, electrical testers, and thermal cameras. Sefram offers comprehensive after-sales support, including technical assistance, repairs, and in-house calibration. Part of the B&K Precision organization since 2004, Sefram combines international reach with strong local expertise.
With decades of experience and a focus on innovation, Sefram continues to deliver high-performance solutions backed by expert support.



Quality management system

SEFRAM INSTRUMENTS is an ISO9001-certified company using traceable quality management practices for all processes, including product development, service and calibration.

ISO 9001 : 2015
ISO 14001 : 2015

Video library

View product presentations, demonstrations and application videos in English and French
https://www.youtube.com/@SEFRAMINSTRUMENTS/videos

Social networks

LinkedIn :
https://www.linkedin.com/company/sefram-instruments

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https://www.youtube.com/@SEFRAMINSTRUMENTS

About B&K Precision

For more than 70 years, **B&K Precision** has provided reliable and value-priced test and measurement instruments worldwide. The company's headquarters in Yorba Linda, California, houses its administrative and executive functions as well as sales and marketing, design, service, and repair. European customers are most familiar with B&K through its French subsidiary, Sefram. Engineers in Asia know the brand through the B+K Precision Taiwan operation. Independent service centers in Singapore and Brazil service customers in Singapore, Malaysia, Vietnam, Indonesia, and South America, respectively.

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