

User manual for:

SEFELEC 56-S/D/H
SEFELEC 506-S/D/H
SEFELEC 1000-M
SEFELEC 32-C



Reference PENT6833

(English)

List of models in the SEFELEC 5x range:

Reference		
Sales	Order	Description
SEFELEC 56-H	+SEFELEC56H	Dielectric strength tester - 5 kVAC - 6 kVDC 50 VA
SEFELEC 56-D	+SEFELEC56D	Dielectric strength tester - 5 kVAC - 6 kVDC 50 VA Megohmmeter - 200 Gohm @1,000 VDC
SEFELEC 56-S	+SEFELEC56S	Dielectric strength tester - 5 kVAC - 6 kVDC 50 VA Megohmmeter - 200 Gohm @1,000 VDC Ground continuity - 1,000 mOhm @32 AAC
SEFELEC 506-H	+SEFELEC506H	Dielectric strength tester - 5 kVAC - 6 kVDC 500 VA
SEFELEC 506-D	+SEFELEC506D	Dielectric strength tester - 5 kVAC - 6 kVDC 500 VA Megohmmeter - 200 Gohm @1,000 VDC
SEFELEC 506-S	+SEFELEC506S	Dielectric strength tester - 5 kVAC - 6 kVDC 500 VA Megohmmeter - 200 Gohm @1,000 VDC Ground continuity - 1,000 mOhm @32 AAC
SEFELEC 1000-M	+SEFELEC1000M	Megohmmeter - 200 Gohm @1,000 VDC
SEFELEC 32-C	+SEFELEC32C	Ground continuity 1,000 mOhm @32 AAC

1.1. WARRANTY

EATON guarantees that its devices are free of manufacturing and packaging faults. EATON also guarantees that, if used correctly, the device will comply with the specifications in this document.

If in the year following its first delivery, the device does not comply with its specifications, it will be repaired free of charge in our premises in Lognes.

Modifications to the device or any of its accessories not approved by EATON cancel this warranty.

EATON is not responsible for any indirect damage resulting from the use of the device.

2. PRESENTATION OF THE DEVICE

2.1. MODELS FROM THE 5X SERIES



The SEFELEC 5x range is a range of products for performing dielectric tests and ground continuity measurements very simply and in a comprehensive way.

The SEFELEC 56-H and SEFELEC 506-H are used to perform tests of dielectric strength at powers of 50 VA and 500 VA respectively. The SEFELEC 56-D and the SEFELEC 506-D are combinations of a 50 VA or 500 VA dielectric strength tester and a Megohmmeter. The SEFELEC 56-S and SEFELEC 506-S combine the functions of insulation measurement, dielectric strength testing and ground continuity measurement in a single device.

The SEFELEC 5x range devices allow the user to do the tests and measurements referred to above on all types of insulation, such as resin, porcelain, oil or plastic, as well as on finished products such as capacitors, transformers, switches, cables, connectors or electrical devices connected to the mains or powered by batteries. They allow the user to make ground continuity measurements in compliance with most of the existing standards in the fields of measurement devices, medical equipment, office equipment, machinery, etc.

The SEFELEC range devices include a high-resolution graphic colour display with a touch screen for easier use. A single output for dielectric strength tests and insulation resistance measurements facilitates connection to the elements to be tested. Messages in colour indicate the outcome of the tests visually, simply and without any possibility of error.

3.5. GENERAL CHARACTERISTICS

Mains	100-240VAC \pm 10% 50/60Hz single phase		
	230VAC \pm 10% 50/60Hz single phase (SEFELEC 506-H/D/S)		
Power	950 VA max.		
Mains protection	Double timed fuse T10AH 250 V		
Temperature Range	Storage	Operation	
	-10°C to +60°C	0°C to +45°C	
	Specified accuracy 1/2 hour after of powering and HR < 50%		
Altitude	Up to 2,000 meters		
Relative humidity	80% max. @ 31°C - linear decrease to 50%RH @40°C		
Sound pressure	Max. 80 dBA @ 1 meter		
	SEFELEC 56-H	SEFELEC 56-D	SEFELEC 56-S
Weight	16 kg	18 kg	25 kg *
	SEFELEC 506-H	SEFELEC 506-D	SEFELEC 506-S
Weight	20 kg	23 kg	28 kg *
	SEFELEC 1000-M	SEFELEC 32-C	
Weight	12 kg	14 kg	
	* 2 people required for handling weights > 25 kg		
Cartoon weight	add 2.5 kg		
Mini pallet weight	add 5 kg		
Dimensions	Height	Width	Depth
	131 mm	440 mm	455 mm