

## SEFRAM7212 Autorange TRMS AC multimeter

The SEFRAM7212 is a compact digital multimeter with **advanced features**, designed to meet the needs of **electricians, heating engineers, and maintenance services**.

It is equipped with a large **backlit LCD screen** with a **bargraph**, providing clear visualization of measurements. It also has a built-in **flashlight** to facilitate measurements in dark environments. Furthermore, it is protected against overvoltages on all measurement ranges, ensuring the durability of the device in unstable electrical conditions.

With its current measurement capability in  $\mu\text{A}$ , the SEFRAM7212 will allow heating engineers to measure ionization current, that functionality is essential to diagnosing electrical problems in heating systems.

The multimeter includes the essential features such as **TRMS AC and DC voltage** measurement up to 600V.

The TRMS function is crucial in industrial maintenance applications as it allows for precise measurement of distorted signals. Additionally, for this application, there is the possibility to implement a **VFD filter** to eliminate unwanted harmonic components.

In summary, the SEFRAM7212 is an essential tool for electricians, heating engineers, and maintenance services, offering advanced functionality.

### Key features :

- TRMS AC measurements
- Voltage measurement up to 600V AC/DC
- Currents measurement from  $\mu\text{A}$  up to 10A
- Frequency and capacitance measurement
- Resistance measurement up to 60Mohms
- Non-contact voltage detection
- Continuity test with buzzer
- TRMS measurement bandwidth up to 1kHz
- Dual LCD display with bargraph and backlighting
- Built-in flashlight
- HOLD, MIN/MAX, REL functions
- Safety: 600V CAT III

### Ergonomic design

The SEFRAM7212 multimeter provides easy access to various menus and advanced features such as MIN/MAX, HOLD, and more. All basic measurements such as voltage (V), current (A), resistance ( $\Omega$ ), and continuity remain directly accessible via the rotary switch.

### TRMS measurement and VFD filter

The SEFRAM7212 multimeter is equipped with the TRMS function and a VFD filter, allowing for precise measurements on installations with variable frequency drives (VFDs) or inverters.

The TRMS function is essential for voltage and current measurements as it considers the true and effective values of signals, even if they are distorted. This ensures accurate measurement, even in complex electrical conditions.

The VFD filter is particularly useful in industrial maintenance applications where VFDs and inverters are present. It eliminates undesirable harmonic components generated by these equipment, providing high-quality measurements.

### A versatile device for all your applications

The SEFRAM7212 multimeter allows voltage measurements ranging from a few mV to 600V AC/DC (TRMS AC) with a bandwidth of up to 1kHz. The range switching is automatic. It enables current measurements from a few  $\mu\text{A}$  to 10A AC/DC.

It also features the NCV function, which allows for non-contact voltage detection either through the sensor located on top of the device or with a test lead connected to the device to increase detection sensitivity.

600V CAT III  
TRMS AC



SEFRAM7212



## Aurorance TRMS AC multimeter

Specifications	SEFRAM7212
<b>DC Voltages</b>	
Ranges	60mV to 600V - 5 ranges
Basic accuracy	±(0,5% + 3dgt)
Resolution	10µV to 100mV
<b>AC Voltages (TRMS)</b>	
Ranges	60mV to 600V - 5 ranges
Resolution	10µV to 100mV
Basic accuracy	±(0,8% + 3dgt)
Bandwith	40Hz to 1kHz
<b>DC Currents</b>	
Ranges	600µA to 10A - 6 ranges
Basic accuracy	±(0,8% + 3dgt)
Resolution	0,1µA to 10mA
Protection	fuse 600mA input "mA" and fuse 10A input "A"
<b>AC Currents (TRMS)</b>	
Ranges	600µA to 10A - 6 ranges
Resolution	0,1µA to 10mA
Basic accuracy	±(1% + 5dgt)
Bandwith	40Hz to 1kHz
Protection	fuse 600mA input "mA" and fuse 10A input "A"
<b>Frequency</b>	
Ranges	10Hz to 10MHz - 7 ranges
Basic accuracy	±(1% + 5dgt)
Sensitivity	from 200mV
Protection	600V DC or AC RMS
<b>Capacitance</b>	
Ranges	10nF to 100mF
Resolution	0,01nF to 0,1mF
Basic accuracy	±(3% + 5dgt)
Protection	600V DC or AC RMS
<b>Resistance</b>	
Ranges	600Ω to 60MΩ - 6 ranges
Basic accuracy	±(1,2% + 5dgt)
Protection	600V DC or AC RMS
<b>Continuity</b>	
Diode	✓, with buzzer (30 ohms)
Functions	✓ MIN, MAX, REL, HOLD
<b>General features</b>	
Display	LCD with backlit 6000 counts with bargraph
Measurement rate	3 measurements/s
Out-of-range indication	"OL" display
Polarity indication	The "-" symbol is automatically displayed
Operating temperature	0°C to 40°C, HR < 80%
Storage temperature	-10°C to 60°C (without batteries), HR < 70%
Protection	fuse 600mA input "mA" and fuse 10A input "A"
Safety	600V CAT III EN: 61326
Standards	EN: 61010-1
	EN: 61010-02-032
	EN: 61010-02-033
Pollution degree	2
Power supply	2 x AAA 1.5V batteries
Automatic switch-off	after about 10mn
Low battery indication	The "battery" symbol is displayed
Dimension	166x78x64mm
Weight	268g

Supplied with : Instruction manual, Test leads (4mm), 2 x 1.5V AAA batteries, Carrying case.



Carrying case  
supplied as standard

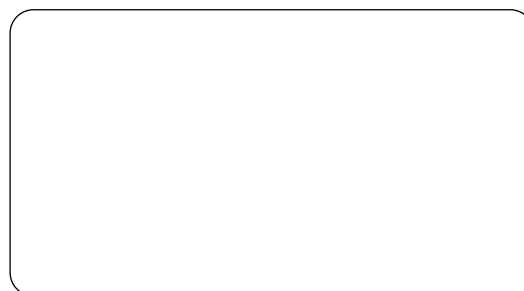
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For assistance and ordering



FT7212 EN 00 - Specifications can be updated without notice



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