Accurate Benchtop DMMs for your daily applications in the laboratories or in the field.



SEFRAM **7211** True RMS



SEFRAM **7210**

Complete Instruments

Sefram Benchtop multimeters feature commonly needed functions: voltage, current, resistance, diode and continuity tests. With the SEFRAM 7211 True RMS instrument, you can also measure capacitance and frequency. It also has an ADAPT input. The multimeter provides many tests applications analyses: Min/Max display, HOLD,....

Ease-of-Use

The benchtop Sefram multimeters have a large LCD display, incorporating a bargraph for the Sefram 7211. As their display is baklighted, the instruments provide you an easy reading in difficult and low light conditions.

Safety and protection

The benchtop multimeters meet the european IEC 1010 standards. They are protected against transients up to 6 kV. The series is warranteed for 3 years.

SEFRAM Digital Benchtop Multimeters - SEFRAM 7210 & 7211

The Sefram benchtop multimeters series are your solution for your tests in laboratories, production facilities or educational workstation. Please find in the following selection guide their specifications and choose the model that meets your needs.

SEFRAM	7210	7211	
Display	2000 counts	4000 counts	
Bargraph	-	yes	
True RMS	-	yes	
Basic accuracy	0.5% + 2d	0.1% + 2d	
Frequency counter	-	yes	
Capacitance measurement	-	yes	
MIN/ MAX./ HOLD/ DELAY HOLD	-	yes	
Mode REL	-	yes	
Memory Store and Recall	-	yes	
Safety	IEC 1010	IEC 1010	

SEFRAM 7210 & 7211 - Benchtop DMMs

TECHNICAL SPEC	CIFICATIONS	SEFRAM 7210	SEFRAM 7211
DC VOLTAGE	Range	200 mV- 2, 20, 200, 600 V	400 mV- 4, 40, 400, 1000 V
	Resolution	0.1 mV	0.1 mV
	Accuracy	± (0.5% +2d)	± (0.1% + 2d) ⁽¹⁾
	Overload Protection	1100 VDC or AC peak	1100 VDC or AC peak
	Input Impedance	10 M	10 M
ac voltage	Range	2, 20, 200, 600 V	4, 40, 400, 750 V
	Resolution	1 mV	1 mV
	Bandwidth	40 Hz - 500 Hz	40 Hz - 1 kHz
	Accuracy	± (1.5% +5d)	\pm (0.5% + 5d) ⁽²⁾
	Overload Protection	1100 VDC or AC peak	1100 VDC or AC peak
	Input Impedance	10 M // < 100 pF	10 M // < 100 pF
DC CURRENT	Range	200 µA- 2, 20, 200 mA- 10 A	4, 40, 400 mA - 10 A
	Resolution	0.1 µA	1 µA
	Accuracy	± (1% + 2d) ⁽³⁾	± (0.4% + 2d) ⁽⁴⁾
	Overload protection (HBC fuses)	1A/600V and 15A/600V	1A/600V and 15A/600V
CURRENT	Range	200 µA- 2, 20, 200 mA- 10 A	4, 40, 400 mA - 10 A
	Resolution	0.1 µA	1 µA
	Bandwidth	40 Hz - 500 Hz	40 Hz - 1 kHz
	Accuracy	± (1.5% + 5d) ⁽⁵⁾	± (1% + 5d)
Resistance	Range	6 (200 to 20 M)	6 (400 to 40 m)
	Resolution	0.1	0.1
	Basic accuracy	± (0.75 % + 2d)	± (0.4% + 2d)
	Max. open circuit voltage	0.9 V	0.4 V
DIODE AND CONTINUITY TESTS	Threshold	50	50
DE 7111D 001111110111 12010	Continuity indicator	2 kHz tone buzzer	2 kHz tone buzzer
	oontinaity indicator	max. 3.3 V; 1.5 mA	max. 3 V; 0.6 mA
PACITANCE	Range	-	5 (4 nF to 40 µF)
O/II /IOII/IIIVOE	Resolution	_	1 pF
	Basic Accuracy (REL mode)	_	± (1% + 4d)
FREQUENCY	Range	_	5 (100 Hz to 1MHz)
	Resolution	_	0.01 Hz
	Accuracy	_	± (0.1% + 4d)
	Sensitivity	_	40 mV (1 Hz-20 kHz)/ 400 mV (20kHz - 1MHz
Adapt range	Display (4000 counts max.)	-	10 counts per 1 mVDC
	Accuracy		± (0.1% + 2d)

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GENERAL SPECIFICATIONS	SEFRAM 7210	SEFRAM 7211
Display (with backlight)/ Bargraph	2000 counts/ -	3200 counts/ 42 segments
Measuring rate	2 / sec.	2 / sec. (bargraph : 20/ sec.)
True RMS	-	yes
Operating temperature	0°C to 50°C	0°C to 50°C
Storage temperature	-30°C to 70°C	-30°C to 70°C
Safety IEC 1010	Cat. III, 300V/Cat II, 600V	Cat. III, 300V/Cat II, 600V
Power requirements ————————————————————————————————————	AC: 90-264V 50/60Hz, 10 VAmax.	AC: 90-264V 50/60Hz, 10 VAmax.
1 ower requirements	6 x 1.5V batteries (LR6)	6 x 1.5V batteries (LR6)
Battery life (without backlight)	1200 hrs	1200 hrs
Dimensions & Weight (w/o power cord)	218 x 195 x 73 mm; 1.3 kg	218 x 195 x 73 mm; 1.3 kg
Warranty	3 years	3 years

SUPPLIED WITH

All benchtop Multimeters are supplied with a test lead set, a carrying strap, a power cord and a user's manual.

OPTIONAL ACCESSORIES

- SA 100 Test leads Set 4 mm (test leads with straight safety sheath plug, 1m, PVC 0.75m², red and black)
- SA 105 Patchcords Set (4mm straight safety sheath plug, 1m, PVC 0.75m², red and black)
- SA 110 Alligator clips set 4 mm
- SA 115 Safety test tips Set 4 mm
- SA 120 Maxigrabber Set 4 mm
- SEFRAM 7305 Thermocouple Module for DMM

To discover the complete range of accessories, contact us and ask for the ELDITEST catalog.

Specifications subject to change without notice - FT721000A/97

Sefram

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