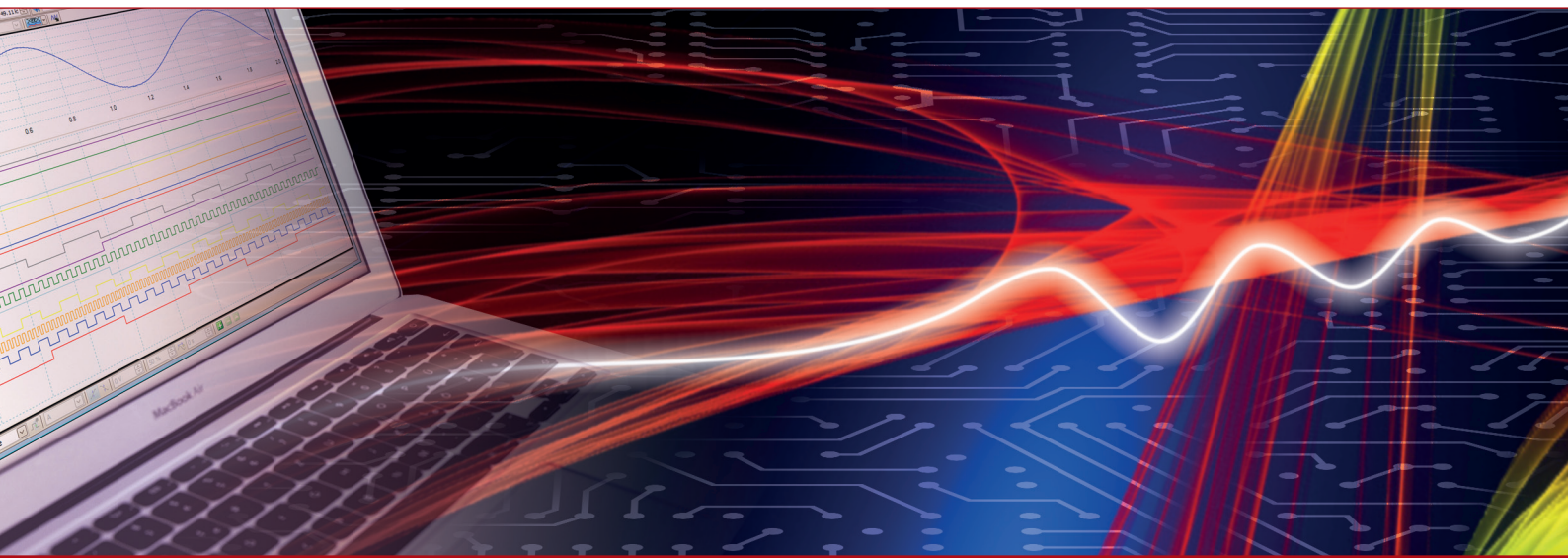


Product Datasheet - Technical Specifications



More information in our Web-Shop at ► www.meilhaus.com and in our download section.

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The **Sefram7303** is a compact, affordable and versatile **pocket-sized digital multimeter**. It is suitable for AC, DC voltage, resistance, capacitance and frequency measurement. The measurement rate is 3/s, the AC/DC voltage measurement goes up to 600 V, and the resistance measurement goes up to 40 M Ω . The frequency counter works up to 5 MHz and the duty cycle is 0.1...99.9%. In addition, the 7303 digital multimeter performs diode and continuity tests with buzzer sound. The instrument is battery operated (2x 1.5 V), the operating temperature is 0...+50°C and the measurement category is IEC 1010 CAT III 300 V and CAT II 600 V. Practical is the hold function, which displays the current measurement.

- 5000-count multimeter with LCD.
- Measuring rate 3 times/s.
- AC/DC voltage measurement up to 600 V.
- Resistance measurement up to 40 M Ω .
- Frequency counter (up to 5 MHz) and duty cycle (0.1...99.9%).
- Capacitance up to 100 μ F.
- Hold function.
- Diode and continuity test with buzzer.
- Battery powered (2x 1.5 V, lifetime 100 h GPA76P).
- Operation temperature 0...+50°C.
- Dimension (mm) 56 x 12 x 112; 115 g.
- IEC 1010 CAT III 300 V and CAT II 600 V.



Technical Specifications

General specifications

LCD display digits	5000 counts
Measuring rate	3 times / s
Polarity indication	automatic
Overrange display	„OL“ or „OL“
Automatic power-off time	approx. after 30 min
Low-battery indicator	yes
Battery powered	2x 1.5 V
Application	Indoor

Environmental conditions

Calibration	One-year cycle
Operating temperature	0...50 °C
Storage temperature	-20...60 °C
Overvoltage category	IEC 1010 CAT III 300 V and CAT II 600 V
Operating altitude	2000 m
Pollution degree	2
EMC	EN 61326-1
Dimensions (BxHxT)	56x12x112 mm

Electrical specifications

Function	Range	Resolution	Accuracy
ACV	400.0 mV	0.1 mV	+/- (1.5% + 5D)
	4.000 V	0.001 V	+/- (0.9% + 5D)
	40.00 V	0.01 V	
	400.0 V	0.1 V	
	600 V	1 V	
Frequency response	50...500 Hz		
Resistance	400.0 Ω	0.1 Ω	+/- (0.9% + 5D)
	4.000 kΩ	0.001 kΩ	+/- (0.9% + 2D)
	40.00 kΩ	0.01 kΩ	
	400.0 kΩ	0.1 kΩ	
	4.000 MΩ	0.001 MΩ	+/- (1.5% + 5D)
	40.00 MΩ	0.01 MΩ	
Open circuit voltage	0.4 V		
Overload protection	600 V rms.		
Capacitance	50.00 nF	0.01 nF	+/- (5% + 0.2 nF)*
	500.0 nF	0.1 nF	+/- (2.9% + 5 D)
	5.000 μF	0.001 μF	
	50.00 μF	0.01 μF	
	100.0 μF	0.1 μF	
Overload protection	600 V rms.		

* For best measurements, with Δ mode on nF ranges. Accuracys provide readings above 10 nF at 50 nF range.

Continuity check	
Continuity threshold	approx. < 50 Ω
Continuity indicator	2 kHz tone buzzer
Input protection	600 V rms.
Diode test	
Test current	1.1 mA [typical]
Open circuit voltage	1.5 V DC (max.)
Input protection	600 V rms.