

SEFRAM 7205, 7206 and 7207

TRMS AC Digital Multimeters

Compact, robust and accurate

NEW

Capabilities

- Voltage measurements up to 1000V AC and DC
- "Low impedance" mode for voltage measurement
- Current measurements up to 10A AC and DC (7207)
- Current measurements up to 600μA AC and DC (7206)
- Frequency
- Capacitance
- Temperature (7206)
- Resistance measurements up to 40Mohms
- Continuity test with buzzer
- Voltage detector (non contact) with dual sensitivity
- Peak-Hold and relative mode
- Backlighted LCD display
- Protective rubber holster with magnet
- Safety : CAT IV 600V and CAT III 1000V



TRMS AC measurements

The new 7205-7206-7207 series offers TRMS AC measurement with a crest factor up to 3. All types of signals can be measured with an excellent accuracy and full safety for the user (CAT IV 600V and CAT III 1000V).

Special functions

Each model in the 720X series includes :

- Non contact voltage tester, with dual sensitivity
- Peak-Hold measurements
- Relative measurements
- Low impedance voltage mode (reduces the noise)
- Backlighted LCD

Holster with magnet

The new rubber holster equipped with a magnet will not only protect your DMM against shocks, but will allow you to work with both hands free. This feature is very useful when working in an electrical switch board.

Extend the current ranges up to 3000A AC with the Flex clamps

For some of your applications, you need to measure higher current? We have the solution! With our Flex clamps SEFRAM SP295 & SP296, you can extend the measurement range up to 3000A AC .

Selection guide	7205	7206	7207
AC & DC Voltage	✓	✓	✓
Low impedance (voltage)	✓	✓	✓
Resistance, frequency, capacitance	✓	✓	✓
μA AC & DC current	-	✓	-
6/10A AC & DC current	-	-	✓
Temperature	-	✓	-
Backlighted LCD	✓	✓	✓



SEFRAM 7205, 7206 and 7207

TRMS AC Multimeters

Specifications	7205	7206	7207
DC Voltage			
Ranges		600mV to 1000V	
Accuracy		$\pm(0,5\% + 2\text{dgt})$	
Resolution		0,1mV to 1V	
(600mV is separate from other ranges)			
AC Voltage - TRMS AC			
Ranges		600mV to 1000V	
Resolution		0,1mV to 1V	
Accuracy		$\pm(1,0\% + 3\text{dgt})$	
Bandwidth		45Hz to 500Hz	
Crest factor		3 max. under 4000 counts	
AC Voltage -Low Impedance (LoZ)			
Ranges		600V and 1000V	
Resolution		0,1V and 1V	
Accuracy		$\pm(2,0\% + 3\text{dgt})$	
Bandwidth		45Hz to 500Hz	
Impedance		< 3kohms	
DC current - μA input (7206)			
Ranges	-	600 μA	-
Accuracy	-	$\pm(1,0\% + 2\text{dgt})$	-
Resolution	-	0,1 μA	-
Protection	-	electronic (1000V AC/DC)	-
AC current - μA input (7206)			
Ranges	-	600 μA	-
Accuracy	-	$\pm(1,5\% + 3\text{dgt})$	-
Resolution	-	0,1 μA	-
Bandwidth	-	45Hz to 500Hz	-
Protection	-	electronic (1000V AC/DC)	-
DC current - 10A input (7207)			
Ranges	-	-	6A and 10A
Accuracy	-	-	$\pm(1,0\% + 3\text{dgt})$
Resolution	-	-	1mA and 10mA
Protection	-	-	HBC fuse 11A-1000V / 10 x 38mm
AC current - 10A input - TRMS AC (7207)			
Ranges	-	-	6A and 10A
Resolution	-	-	1mA and 10mA
Accuracy	-	-	$\pm(1,5\% + 3\text{dgt})$
Bandwidth	-	-	45Hz to 500Hz
Crest factor	-	-	3 max. under 4000 counts
Protection	-	-	HBC fuse 11A-1000V / 10 x 38mm
Frequency			
Ranges		100Hz and 100kHz	
Accuracy		$\pm(0,1\% + 2\text{dgt})$	
Sensitivity (voltage)		5V for f<10kHz and 20V for f>10kHz	
Sensitivity (current) - 7207		0,6A from 10Hz to 50kHz	
Protection		1000Veff.	
Capacitance			
Ranges		1 μF to 10mF	
Resolution		1nF to 10 μF	
Accuracy		$\pm(1,9\% + 2\text{dgt})$	
Protection		1000Veff.	
Resistance			
Ranges		600ohms to 40Mohms	
Accuracy		$\pm(0,9\% + 2\text{dgt})$	
Resolution		0,1 Ω to 10k Ω	
Protection		1000Veff.	
Continuity test		yes, with buzzer, threshold level between 30 Ω and 200 Ω , 500 μs response time	
Diode test		yes, on 1,5V range	
Voltage detector		Non contact electric field sensor: 80V to 1000V and 160V to 1000V	
Peak-Hold (voltage & current)			
Accuracy		± 150 digits (typical)	
Temperature (7206)			
Ranges	-	-40°C to +400°C	-
Accuracy (without thermocouple)	-	$\pm(1\% + 2^\circ\text{C})$	-
Protection	-	1000Vrms	-
Functions		Hold, Peak-Hold, auto power-off	
General specifications			
Display		LCD, with backlight 3 digits 3/4, 6000 counts	
Measurement rate		3 measures/s	
Operating temperature		0°C to 40°C	
Storage temperature		-10°C to 60°C	
Protection		electronic and HBC fuse 11A HPC/1000V 10x38mm for 7207	
Safety		CAT IV - 600V and CAT III - 1000V	
Power supply		1 x 9V battery - 6F22	
Autonomy		200h typical (with alkaline battery)	
Dimensions		74 x 156 x 44mm (with holster)	
Weight		400g (with holster)	
Warranty		1 year	

Supplied with: battery, 1 set of safety test leads, manual, K thermocouple (7206), rubber holster with magnet.



FT7205-6-7A00- Specifications can be updated without notice



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