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# SEFRAM 7205, 7206 and 7207

TRMS AC Digital Multimeters

## Compact, robust and accurate

### **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

## NEW







#### 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 usefull 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 .

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







# SEFRAM 7205, 7206 and 7207

**TRMS AC Multimeters** 

GOODNY to 10000Y	Specifications	7205	7206	7207		
10,5%   7,000	DC Voltage					
Courter - 10A input (7207)  Courter - 10A input - 178MS AC (7207)  Courter - 10A input - 1	Ranges					
Courtage - TRMS AC   600m to 1,000	Resolution	±(0,5% + 20gt) 0,1mV to 1V				
Security	(600mV is separate from other ranges)					
Control   Courters   Court   Courters   Co	Ranges		600mV to 1000V			
Security	Resolution		0,1mV to 1V			
Test factor   Course   Cours						
Separate	Crest factor	3 max. under 4000 iz counts				
Sepulation			600V and 4000V			
Sardyidth   45Hz to 500Hz	Resolution	0.1V and 1V				
Skohms   S	Accuracy	$\pm (2.0\% + 3dgt)$				
Course   C	Impedance		45H2 to 500H2 < 3kohms			
Ccurrent - JA Input (7206)   -	DC current - µA input (7206)					
Company   Comp						
AC current - µA input (7206)	Resolution	-	0,1µA			
Courier   Cou		-	electronic (1000V AC/DC)	-		
Couracy	Ranges	-		-		
Security	Accuracy					
Protection	Resolution Bandwidth					
Couract   Cour	Protection	-		-		
CCUTAGY   -		<u>-</u>	- 1	6A and 10A		
Current - 10A Input - TRMS AC (7207)   AC current - 10A Input - TRMS AC (7207)	Accuracy	-		±(1,0% + 3dgt)		
Courrent - 10A input - TRMS AC (7207)						
Canges   -		-	-	/ 10 x 38mm		
Couracy				6A and 40A		
CCUracy   -	Resolution			1mA and 10mA		
Crest factor   -   -   -   -   -   -   -   -   -	Accuracy			±(1,5% + 3dgt)		
Audit   Aud	_			3 max. under		
Trequency   100Hz and 100kHz						
Company   Com	Protection	-	-			
1,07% + 2dgt	Frequency		4001 17 and 400kl 17			
Continuity (current) - 7207   0,6A from 10Hz to 50kHz	Accuracy		+(0.1% + 2dat)			
Totection   1000veff.	Sensitivity (voltage)	5V for f<10kHz and 20V for f>10kHz				
Capacitance   Applications   Appl	Protection					
Resolution Accuracy Totection Resistance Ranges Ranges Ranges Ranges Resolution Resistance Ranges R	Capacitance					
#(1,9% + 2 dgt)  Protection Resistance Resi		1nF to 10uF				
Resistance Accuracy	Accuracy	±(1,9% + 2dgt)				
Ranges Accuracy Accu			1000Ve <del>II</del> .			
Resolution Protection	Ranges	600ohms to 40Mohms				
Protection 1000Veff. Dontinuity test yes, with buzzer, threshold level between 30Ω and 200Ω, 500μS response time yes, on 1,5V range yes, on 1,5V		±(0,9% + 2dgt) 0.40 to 40k0				
Veg. on 1,5V range	Protection	1000Veff.				
Non contact electric field sensor: 80V to 1000V and 160V to 1000V electade   150 digits (typical)	Continuity test					
Peak-Hold (voltage & current)   Accuracy		yes, on 1,5V range  Non contact electric field sensor: 80V to 1000V and 160V to 1000V				
Camperature (7206)   Canges	Peak-Hold (voltage & current)					
Canges   C			±150 digits (typical)			
Protection -   1000Vrms	Ranges	-		<u>-</u>		
Hold, Peak-Hold, auto power-off  General specifications  Display  LCD, with backlight 3 digits 3/4, 6000 counts  Measurement rate  Sperating temperature  O°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  Autonomy  200h typical (with alkaline battery)  Dimensions  Weight  Hold, Peak-Hold, auto power-off  A 2 digits 3/4, 6000 counts  3 digits 3/4, 6000 counts  3 digits 3/4, 6000 counts  4 deasurement rate  3 digits 3/4, 6000 counts  3 digits 3/4, 6000 counts  3 digits 3/4, 6000 counts  6 counts  Comparison  A 2 do Comparison  A 2 do Comparison  A 2 do Comparison  Hold, Peak-Hold, auto power-off  A 2 digits 3/4, 6000 counts  A 3 digits 3/4, 6000 counts  A 2 digits 3/4,	Accuracy (without thermocouple)					
General specifications Display  LCD, with backlight 3 digits 3/4, 6000 counts 3 measures/s Deparating temperature Deparating temperature Correction Description De		<del>-</del>		<del>-</del>		
CD, with backlight   3 digits 3/4, 6000 counts   3 measurement rate   5 measures/s   0°C to 40°C   0°C to 60°C   0°C to 40°C   0°C to 40°C to 40°C   0°C to 40°C t			Car Flora, addo power off			
3 digits 3/4, 6000 counts	Display		LCD, with backlight			
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           Pafety         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)		3 digits 3/4, 6000 counts				
Torage temperature						
Protection   electronic and HBC fuse 11A HPC/1000V 10x38mm for 7207	Storage temperature	-10°C to 60°C				
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)	Protection	electronic	and HBC fuse 11A HPC/1000V 10x38	mm for 7207		
Autonomy 200h typical (with alkaline battery) Dimensions 74 x 156 x 44mm (with holster) Weight 400g (with holster)	Power supply		1 x 9V hattery - 6F22			
Weight 400g (with holster)	Autonomy		200h typical (with alkaline battery)			
	Weight Universions		400g (with holster)			
varranty T year	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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#### For assistance and ordering