

Product Datasheet - Technical Specifications



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Sefram

SEFRAM 7351 / 7355

40.000 counts and 100.000 counts DMM TRMS AC+DC, high accuracy

Capabilities

- Voltage measurement up to 1000V TRMS AC and 1000V DC
- Basic accuracy: 0,015% (7355) and 0,03% (7351)
- Current measurement up to 10A
- Frequency et capacitance measurement
- Resistance measurement up to 10 Mohms
- Continuity test with buzzer
- Temperature measurement for K type thermocouple
- Duty cycle measurement
- Dual LCD, with bargraph and backlight
- Datalogger (20000 records)
- Functions: dB, dBm, HOLD, Peak Hold, MIN/MAX, Average, REL
- Opto isolated USB interface
- Supplied with PC application software and a complete set of accessories
- Safety: 600V CAT IV and 1000V CAT III

All-weather housing

Designed for harsh environments with water tight gasket as the seams rotary switch, input terminal and battery cover to keep out of dust, dirt and splashing. They can also take shocks and drops, work anywhere from indoor to outdoor.

Optical interface & datalogger

Safe and easy used optical interface to connect to PC for data acquisition. SEFRAM 7351 and 7355 have self-data logging function without connecting to a computer (20.000 records)

Special functions to ease your measurements

The new SEFRAM 7351 and 7355 offer many convenient functions to ease your measurements campaigns: dB, dBm, limits, peak-hold, REL, MIN, MAX, Average.

Battery & fuse easy to replace

Unscrew only one screw to remove battery door for battery replacement and fuse replacement, designed for user's convenience without opening the bottom case.

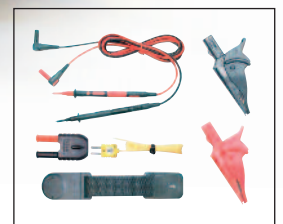


TRMS AC+DC

600V CAT IV

Accuracy:
 $\pm 0,015\%$

SEFRAM 7355



Day & night

An innovative auto ON/OFF backlit feature give you fulltime display visibility and increased battery life.



Sefram

Technical specifications	7351	7355
DC Voltages		
Ranges	40mV to 1000V in 6 ranges	40mV to 1000V in 6 ranges
Basic accuracy	$\pm(0,03\% + 20\text{dgt})$	$\pm(0,015\% + 20\text{dgt})$
Resolution	0,001mV to 0,1V	0,001mV to 0,01V
AC Voltages (TRMS AC and TRMS AC+DC)		
Ranges	40mV to 1000V in 6 ranges	100mV to 1000V in 5 ranges
Basic accuracy	0,001mV to 0,1V	0,001mV to 0,1V
Resolution	$\pm(0,7\% + 50\text{dgt})$ from 5% to 100% of the range	$\pm(0,4\% + 50\text{dgt})$ from 5% to 100% of the range
Bandwidth	40Hz to 100kHz (depending of range)	40Hz to 100kHz (depending of rang)
DC Currents		
Ranges	40mA, 400mA and 10A	10mA, 100mA and 10A
Basic accuracy	$\pm(0,2\% + 40\text{dgt})$	$\pm(0,1\% + 40\text{dgt})$
Resolution	from 1 μ A to 1mA	from 1 μ A to 1mA
Protection	with HBC (0.44A HBC and 11A HBC)	with HBC (0.44A HBC and 11A HBC)
AC Currents (TRMS AC and TRMS AC+DC)		
Ranges	40mA, 400mA and 10A	10mA, 100mA and 10A
Resolution	from 1 μ A to 1mA	from 1 μ A to 1mA
Basic accuracy	$\pm(0,8\% + 80\text{dgt})$ from 5% to 100% of the range	$\pm(0,7\% + 80\text{dgt})$ from 5% to 100% of the range
Bandwidth	40Hz to 1kHz (depending of range)	40Hz to 1kHz (depending of range)
Protection	with HBC (0.44A HBC and 11A HBC)	with HBC (0.44A HBC and 11A HBC)
Peak Hold (VAC and IAC only)	for pulse >1ms: $\pm(3\% + 100\text{dgt})$	for pulse >1ms: $\pm(3\% + 100\text{dgt})$
dB	Measure in dB and dBm	Measure in dB and dBm
Frequency		
Ranges	40Hz to 4MHz	40Hz to 4MHz
Basic accuracy	$\pm(0,002\% + 10\text{dgt})$	$\pm(0,002\% + 10\text{dgt})$
Sensitivity	1V pp from 5Hz to 4MHz	1V pp from 5Hz to 4MHz
Protection	1000Vrms or DC	1000Vrms or DC
Duty cycle	from 20% to 80%	from 20% to 80%
Basic accuracy	$\pm(3\text{d}/\text{kHz} + 1\text{dgt})$	$\pm(3\text{d}/\text{kHz} + 1\text{dgt})$
Capacitance		
Ranges	40nF to 40mF in 7 ranges	40nF to 40mF in 7 ranges
Resolution	10pF to 10 μ F	10pF to 10 μ F
Basic accuracy	$\pm(0,8\% + 20\text{dgt})$	$\pm(0,8\% + 20\text{dgt})$
Protection	1000Vrms or DC	1000Vrms or DC
Resistance		
Ranges	400ohms to 10Mohms in 6 ranges	1000ohms to 10Mohms in 5 ranges
Basic accuracy	$\pm(0,2\% + 30\text{dgt})$	$\pm(0,025\% + 30\text{dgt})$
Protection	1000Vrms or DC	1000Vrms or DC
Continuity test	yes, with buzzer (threshold: approx. 50 ohms)	yes, with buzzer (threshold: approx. 50 ohms)
Temperature	-200°C to 1200°C, -328°F to 2192°F $\pm(1,0\% + 1^\circ\text{C})$ + thermocouple accuracy	-200°C to 1200°C, -328°F to 2192°F $\pm(1,0\% + 1^\circ\text{C})$ + thermocouple accuracy
Diode test	yes, under approx. 0,5mA	yes, under approx. 0,5mA
Accuracy	$\pm(1,5\% + 2\text{dgt})$	$\pm(1,5\% + 2\text{dgt})$
Functions	MIN, MAX, AVG, REL, HOLD, Auto Hold	MIN, MAX, AVG, REL, HOLD, Auto Hold
Datalogger	20.000 records, with ajustable rate	20.000 records, with ajustable rate
General Specification		
Display	LCD, with backlight 5 digit, 40.000 counts with bargraph	LCD, with backlight 5 digits, 100.000 counts with bargraph
Measurement rate	3 mes./s	6 mes./s
Memory	1000 measures	1000 measures
Operating temperature	10°C to 50°C	10°C to 50°C
Storage temperature	-20°C to 60°C (without batteries), RH < 80%	-20°C to 60°C (without batteries), RH < 80%
Protection	electronic, except current ranges protected with HBC fuses	electronic, except current ranges protected with HBC fuses
Safety	600V - CAT IV and 1000V CAT III	600V - CAT IV and 1000V CAT III
Standards	compliant to IEC61557-1, 61557-2, 61557-4, 61557-10	compliant to IEC61557-1, 61557-2, 61557-4, 61557-10
Power supply	4 x 1.5V batteries - LR6 AA / Autonomy: 100h typical with alkaline batteries	4 x 1.5V batteries - LR6 AA / Autonomy: 100h typical with alkaline batteries
Automatic power-off	after approx. 30mn	after approx. 30mn
Dimensions	95 x 52 x 207mm	95 x 52 x 207mm
Weight	630g, with holster	630g, with holster

Supplied with : a safety test leads set, a set of alligator clips, a user's manual, a K bead thermocouple (ST305), a thermocouple adaptor (ST306), USB interface cable, PC software for Windows™, batteries (installed)



FT735X A 00 - Specifications can be updated without notice

