

## COMPACT AND RELIABLE HANDHELD DMMS

The Sefram 7307, 7309 are designed for technicians looking for compact pocket multimeters that perform standard DMM functions. Compact and rugged, they are great for one-handed operation.



Sefram 7307



Sefram 7309

### Capabilities

- 2000 counts display
- Hold function
- Diode and continuity test with buzzer
- Non contact voltage detector
- IEC 1010 : 600 V CAT III

Technical Specification	SEFRAM 7307	SEFRAM 7309
VDC	200mV to 1000 V	200mV to 1000 V
Basic accuracy*	± (0,5% + 2d)	± (0,5% + 2d)
VAC	2V to 750V	2V to 750V
Basic accuracy*	± (1,5% + 2d)	± (1,5% + 5d)
IDC	-	2A, 10A
Basic accuracy*	-	±(1,0% +3d)
IAC	-	2A, 10A
Basic accuracy*	-	±(1,5% +5d)
Resistance	200 Ω to 20 MΩ	200Ω to 20MΩ
Accuracy*	±(0,7%+2d)	±(0,7% +3d)
Continuity / buzzer	yes	yes
Capacitance	-	2nF ~ 2mF
Diode test	yes	yes
Frequency	-	2000Hz to 20MHz
Temperature	-	-20°C to 800°C
Non contact voltage	yes	yes
<b>GENERAL SPECIFICATION</b>		
Display	2000 cts	2000 cts
Power supply	2x1,5 V (LR03)	2 x 1,5 V (LR03)
Auto power off	-	-
IEC 1010	600V CAT III	600 V CAT III
Dimensions	82 x 164 x 44 mm	80 x 165 x 36 mm
Weight	250g	250 g

Supplied with : a test leads set, batteries.

Optional accessories : see page 54, 55, 56, 57.

### TRMS AC



Sefram 7317



Sefram 7318

### Capabilities

- 6000 counts display
- Frequency and capacitance measurements
- Hold function
- Protective holster
- IEC 1010 : 600V CAT IV



Technical Specification	SEFRAM 7317	SEFRAM 7318
VDC	600 mV to 1000 V (5 cal)	600 mV to 1000 V (5 cal)
Accuracy	± (0,5% + 2d)	± (0,5% + 2d)
VAC	600 mV to 750 V (5 cal)	600 mV to 750 V (5 cal)
Accuracy	± (0,9% + 2d)	± (0,9% + 2d)
IDC	600 μA, 6000 μA	600 μA to 10 A (4 cal)
Accuracy	± (1,0% + 2d)	± (1,0% + 2d)
IAC	600 μA, 6000 μA	6A to 10 A
Accuracy	-	± (1,5% + 5d)
Resistance	-	600 Ω to 60 MΩ
Accuracy	± (0,7% + 2d)	± (0,7% + 2d)
Capacitance	6 nF to 6 mF	6 nF to 6 mF
Accuracy	± (1,9% + 8d)	± (1,9% + 8d)
Frequency	6000 Hz to 60 MHz (5 cal)	6000 Hz to 60 MHz (5 cal)
Accuracy	± (0,01% + 1d)	± (0,01% + 1d)
Continuity / buzzer	yes	yes
Diode test	yes	yes
<b>GENERAL SPECIFICATION</b>		
Display	6000 cts	6000 cts
Power supply	pile 9V	pile 9V
Dimensions	82 x 164 x 44 mm,	82 x 164 x 44 mm,
Weight	400g	420 g
IEC 1010	600 V CAT IV	600 V CAT IV

Supplied with : a test leads set, batteries. a protective holster.

Optional accessories : see page 54, 55, 56, 57.



2007 **NEW**



Sefram 7322

**TRMS AC**



Sefram 7323

**TRMS AC**



Sefram 7324



Capabilities

- 4000 counts display with bargraph
- TRMS measurements for (SEFRAM 7323 and 7324)
- Frequency measurements
- Protective holster
- RS-232 Interface (SEFRAM 7324)
- IEC 1010 : 600 V CAT IV

Technical Specification	SEFRAM 7322	SEFRAM 7323	SEFRAM 7324
VDC	400 mV to 1000 V (5 cal)	400 mV to 1000 V (5 cal)	400 mV to 1000 V (5 cal)
Basic accuracy	± (0,5% + 2d)	± (0,5% + 2d)	± (0,5% + 2d)
VAC	400 mV to 750 V (5 cal)	400 mV to 750 V (5 cal)	400 mV to 750 V (5 cal)
Basic accuracy	± (0,9% + 2d)	± (0,9% + 2d)	± (0,9% + 2d)
IDC	400 µA, 4000 µA	400 µA to 10 A (4 cal)	400 µA to 10 A (4 cal)
Basic accuracy	± (1,0% + 2d)	± (1,0% + 2d)	± (1,0% + 2d)
IAC	-	400 µA to 10 A (4 cal)	400 µA to 10 A (4 cal)
Basic accuracy	-	± (1,5% + 5d)	± (1,5% + 5d)
Resistance	400 Ω to 40 MΩ	400 Ω to 40 MΩ	400 Ω to 40 MΩ
Basic accuracy	± (0,7% + 2d)	± (0,7% + 2d)	± (0,7% + 2d)
Capacitance	4 nF to 4 mF	4 nF to 4 mF	4 nF to 4 mF
Basic accuracy	± (1,9% + 8d)	± (1,9% + 8d)	± (1,9% + 8d)
Frequency	4 Hz to 40 MHz (5 cal)	4 Hz to 40 MHz (5 cal)	4 Hz to 40 MHz (5 cal)
Basic accuracy	± (0,01% + 1d)	± (0,01% + 1d)	± (0,01% + 1d)
Continuity test	yes	yes	yes
Diode test	yes	yes	yes
RS-232 interface	-	-	yes

**GENERAL SPECIFICATION**

Display	SEFRAM 7322	SEFRAM 7323	SEFRAM 7324
Display	4000 cts (avec bargraph)	4000 cts (avec bargraph)	4000 cts (avec bargraph)
Power supply	battery 9V	battery 9V	battery 9V
Dimensions, weight	82 x 164 x 44 mm, 400g	82 x 164 x 44 mm, 400g	82 x 164 x 44 mm, 400g
IEC 1010	600 V CAT IV	600 V CAT IV	600 V CAT IV

Supplied with : a test leads set, batteries, a protective holster.

Optional accessories : see page 54, 55, 56, 57.



**TRMS AC**



Sefram 7332

**TRMS AC**



Sefram 7333

Capabilities

- 3400 to 4000 counts display
- Large display with bargraph
- Frequency measurements
- Capacitance measurements
- Temperature measurement for 7333 only.
- Peak and Min/Max measurements for 7333 only.
- Backlight Sefram 7333 only.
- IEC 1010 : 600V CAT III



Technical Specification	SEFRAM 7332	SEFRAM 7333
VDC	400 mV to 1000 V (5 cal.)	400 mV to 1000 V (5 cal.)
Basic accuracy	± (0,25% + 1d)	± (0,25% + 1d)
VAC	400 mV to 750 V (5 cal.)	400 mV to 750 V (5 cal.)
Basic accuracy	± (1,3% + 5d)	± (1,3% + 5d)
IDC	40 mA to 10 A (3 cal.)	40 mA to 10 A (3 cal.)
Basic accuracy	± (0,6% + 2d)	± (0,6% + 2d)
IAC	40 mA to 10 A (3 cal.)	40 mA to 10 A (3 cal.)
Basic accuracy	± (2% + 5d)	± (2% + 5d)
Resistance	400 Ω to 40 MΩ (6 cal.)	400 Ω to 40 MΩ (6 cal.)
Basic accuracy	± (0,4% + 3d)	± (0,4% + 3d)
Capacitance	4 nF to 40 mF (8 cal.)	4 nF to 40 mF (8 cal.)
Basic accuracy	± (2% + 8d)	± (2% + 8d)
Frequency	4 kHz to 40 MHz	4 kHz to 40 MHz
Basic accuracy	± (0,01% + 1d)	± (0,01% + 1d)
Continuity test	yes	yes
Diode test	yes	yes
Temperature	-	- 20°C to 800°C

**GENERAL SPECIFICATION**

Display	SEFRAM 7332	SEFRAM 7333
Display	4000 cts (bargraph : 65 seg.)	4000 cts (bargraph : 65 seg.)
Power supply	1 x 9 V (6F22)	1 x 9 V (6F22)
Dimensions, weight	94 x 188 x 40 mm, 440 g	94 x 188 x 40 mm, 440 g
IEC 1010	600 V CAT III	600 V CAT III

Supplied with : a test leads set, batteries, a protective holster.  
Only for Sefram 7333 : thermocouple adapter (ST306) and K probes (ST 305)

Optional accessories : see page 54, 55, 56, 57.

**SEFRAM 7332V-7333V**

Model supplied with a carrying case (SC601).

# DMMs for Electronic applications

Technical Specification	BK 2405A	BK 2407A	BK 2408
VDC	2 V to 600 V (4 rges)	320 mV to 600 V (5 rges)	200 mV to 600 V (4 rges)
Accuracy*	± (2% + 1d)	± (1,2% + 1d)	± (1,2% + 1d)
VAC	200 V to 600 V (2 rges)	3,2 V to 600 V (4 rges)	200mV to 600V (4 rges)
Accuracy*	± (2,9% + 4d)	± (1,5% + 4d)	± (2% + 1 d)
IDC	200 µA to 10 A (5 rges)	320 µA to 10 A (5 rges)	2 mA to 10 A (4 rges)
Accuracy*	± (3% + 1d)	± (2% + 4d)	± (1,5% + 1d)
IAC	-	320 µA to 10 A (5 rges)	200 µA to 10A(4 rges)
Accuracy*	-	± (2,5% + 4d)	± (2% + 4d)
Resistance	200 Ω to 20 MΩ (5 rges)	320 Ω to 31 MΩ (6 rges)	200 Ω to 20MΩ (4 rges)
Accuracy*	± (2% + 3d)	± (1% + 3d)	± (1,5% + 4d)
Continuity test	-	< 320 Ω	< 100 Ω
Diode test	yes	yes	yes
Non contact voltage indicator	-	-	yes (> 70 VAC)
<b>GENERAL SPECIFICATION</b>			
Display	2000 cts	3200 cts	2000 cts
Bargraph	-	32 seg.	-
Power supply	battery 9V	battery 9V	battery 9V
Dimensions, weight	143 x 68 x 47 mm, 206g	143 x 68 x 47 mm, 206g	143 x 68 x 47 mm, 206g
IEC 1010	600 V CAT III	600 V CAT III	600 V CAT III

Supplied with : a test leads set, and one battery. *Optional accessories : see page 54, 55, 56, 57.*



BK 2405A



BK 2407A

BK 2408

### Capabilities

- Large Display
- Non contact voltage indicator from 70VAC for model BK2408 only.



BK 2703B



BK 2704B



BK 2706A



BK 2707A

Technical Specification	BK 2703B	BK 2704B	BK 2706A	BK 2707A
VDC	200 mV to 1000 V (5 rges)	200 mV to 1000 V (5 rges)	200 mV to 1000 V (5 rges)	200 mV to 1000 V (5 rges)
Accuracy*	± (0,5% + 1d)	± (0,5% + 1d)	± (0,5% + 1d)	± (0,5% + 1d)
VAC	200 V to 750V (5 rges)	200 mV to 750 V (5 rges)	200 mV to 750 V (5 rges)	200 mV to 750 V (5 rges)
Accuracy*	± (1,5% + 4d)	± (1,5% + 4d)	± (1,5% + 4d)	± (1,5% + 4d)
IDC	200 mA to 10 A (4 rges)	200mA to 10A (4 rges.)	200µA to 10 A(6 rges.with 2 A)	200µA to 10A(5rges.)
Accuracy*	± (1% + 1d)	± (1% + 1d)	± (1% + 1d)	± (1% + 1d)
IAC	-	200µA to 10 A( 5 rges.)	200µA to 2 A(6 rges.dont 2 A)	200µA to 10A(5 rges.)
Accuracy*	-	± (1,2%+4d)	± (1,2%+4d)	± (1,2% + 4d)
Resistance	200 Ω to 20MΩ	200 Ω to 20 MΩ	200 Ω to 20 MΩ	200 Ω to 200 MΩ
Accuracy*	± (0,8% + 1d)	± (0,8% + 1d)	± (0,8% + 1d)	± (0,8% + 1d)
Capacitance	-	2 pF to 20 µF (5 rges.)	2 pF to 20 µF (5 rges.)	2 pF to 20 µF (5 rges.)
Accuracy*	-	± (3% + 10d)	± (3% + 10d)	± (3% + 10d)
Frequency	-	2 KHz to 15 MHz (5 rges.)	2 KHz to 15 MHz (5 rges.)	2 KHz to 15 MHz (5 rges.)
Accuracy*	-	± (0,5% + 2d)	± (0,5% + 2d)	± (0,5% + 2d)
Transistor tester	-	Base current (Ib) : 10µV. Vce: 2,8V. Gain Indication : 0 to 1		
Temperature	-	-	-20°C to 750°C	-
Accuracy*	-	-	± (2% + 2°C)	-
Logical test	-	-	-	-
Min pulse width	-	-	-	-
Continuity test	yes	yes	yes	yes
Diode test	yes	yes	yes	yes
<b>GENERAL SPECIFICATION</b>				
Display	2000 cts	2000 cts	2000 cts	2000 cts
Power supply	battery 9V	battery 9V	battery 9V	battery 9V
Dimensions, weight	150 x 79 x 33 mm, 250 g	150 x 79 x 33 mm, 250 g	150 x 79 x 33 mm, 250 g	150 x 79 x 33 mm, 250 g
IEC 1010	600 V CAT II	600 V CAT II	600 V CAT II	600 V CAT II

Supplied with : a test leads set, batteries, a protective holster. Only for BK 2706A a K probe.

*Optional accessories : see page 54, 55, 56, 57.*

TRMS AC



BK 388B



BK 389A



BK 390A



BK 391A

Capabilities

- 20 000 counts display only BK391A
- Frequency and capacitance measurement
- Transistor test
- Logic Probe
- RS-232 Interface for (BK390A)



Technical Specification	BK 388B	BK 389A	BK 390A	BK 391A
VDC	400 mV to 1000 V (5 rges.)	200 mV to 1000 V (5 rges.)	200 mV to 1000 V (5 rges.)	200 mV to 1000 V (5 rges.)
Accuracy*	± (0,5% + 1d)	± (0,25% + 1d)	± (0,1% + 2 d)	± (0,05% + 1d)
VAC	400 mV to 750 V ( 5rges.)	400 mV to 750 V ( 5rges.)	400 mV to 750 V ( 5rges.)	200 mV to 750 V (5 rges.)
Accuracy*	± (1,2% + 4d)	± (1,2% + 5d)	± (1,2% + 5d)	± (1% + 10d)
IDC	400 mA to 20 A (6 rges.)	400 µA to 20 A (5 rges.)	400 µA to 20 A (5 rges.)	200 µA to 20 A (5 rges.)
Accuracy*	± (1% + 1d)	± (1% + 1d)	± (1% + 1d)	± (0,5% + 5 d)
IAC	400 mA to 20 A (6 rges.)	400 µA to 20 A (5 rges)	400 µA to 20 A (5 rges)	200 µA to 20 A (5 rges)
Accuracy*	± (1,5% + 1d)	± (1,5% + 4d)	± (1,5% + 4d)	± (1,2%+10 d)
Resistance	400 Ω to 40 MΩ (6 rges)	400 Ω to 40 MΩ (6 rges)	400 Ω to 40 MΩ (6 rges)	200 Ω to 20 MΩ (6rges)
Accuracy*	± (0,8%+4d)	± (0,5% + 4d)	± (0,5% + 4d)	± (0,15% + 3 d)
Capacitance	4 nF to 40 µF ( 5 rges)	4 nF to 40µF ( 8 rges)	4 nF to 40µF ( 8 rges)	-
Accuracy*	± (3% + 4d)	± (3% + 5d)	± (3% + 5d)	-
Frequency	4 KHz to 4 MHz (4 rges)	4 KHz to 40MHz ( 5 rges)	4 KHz to 40MHz ( 5 rges)	2 KHz to 200 KHz (3 rges)
Accuracy*	± (0,1% + 2d)	± (0,1% + 3d)	± (0,25% + 4 d)	± (0,1% + 3d)
Transistor test	Ib= 10 µADC, Hfe: 0 to 100	-	-	-
Temperature	-	-	-50°C to 1300°C	-
Accuracy*	-	-	± (0,8% + 2°C)	-
Logical test	yes	-	-	yes
Min pulse width	25 ns	-	-	25 ns
Duty cycle	-	-	-	0% to 90%
Accuracy*	-	-	-	± (2% + 10d)
Continuity test	yes	yes	yes	yes
Diode test	yes	yes	yes	yes
RS-232 interface	-	-	yes	-
<b>GENERAL SPECIFICATION</b>				
Display	4000 cts	4000 cts	4000 cts	20 000 cts
Bargraph	41 seg.	41 seg.	41 seg.	-
Power supply	battery 9V	battery 9V	battery 9V	battery 9V
Dimensions, weight	190 x 90 x 40 mm, 320 g	190 x 90 x 40 mm, 320 g	190 x 90 x 40 mm, 320 g	190 x 90 x 40 mm, 320 g
IEC 1010	600 V CAT. III	600 V CAT. III	600 V CAT. III	600 V CAT. III

Supplied with : a test leads set, batteries. Only for BK 390A a K probe .

Optional accessories : see page 54, 55, 56, 57.

BK PRECISION

# High Performance DMMs with RS-232 and Datalogger Function

20.000 counts.  
TRMS AC+DC

TRMS AC+DC



Sefram 7337



Capabilities

- Double display with Backlight, bargraph
- Bandwidth up to 50KHz
- Basic accuracy 0,06%
- Frequency and capacitance measurements
- 1000 values memory mode
- Datalogger function , up to 6 000 values
- RS-232 (opto isolated)

40.000 counts.  
TRMS AC+DC

TRMS AC+DC



Sefram 7345



Capabilities

- Backlight triple display, bargraph
- Bandwidth up to 100 KHz
- Basic Accuracy 0,06%
- Frequency and capacitance measurement
- Temperature measurement
- RS-232 (opto isolated)

Technical Specification	SEFRAM 7337	SEFRAM 7345
<b>DC voltage</b>	20, 200 mV - 2, 20, 200, 1000 V	40, 400 mV - 4, 40, 400, 1000 V
Resolution	1 $\mu$ V	1 $\mu$ V
Accuracy*	$\pm (0,06\% + 10d)$	$\pm (0,06\% + 2d)$
<b>AC, AC+DC voltage</b>	20, 200 mV - 2, 20, 200, 750 V	400 mV - 4, 40, 400, 750 V
Resolution	1 $\mu$ V	10 $\mu$ V
Bandwidth	50 kHz	100 kHz
Accuracy*	$\pm (0,7\% + 50d)$	$\pm (0,7\% + 50d)$
<b>DC current</b>	20, 200 mA - 2, 10 A	40, 400 mA - 4, 10 A
Resolution	1 $\mu$ A	1 $\mu$ A
Accuracy*	$\pm (0,2\% + 40d)$	$\pm (0,2\% + 4d)$
<b>Current AC, AC+DC</b>	20, 200 mA - 2, 10 A	40, 400 mA - 4, 10 A
Resolution	1 $\mu$ A	1 $\mu$ A
Bandwidth	40 Hz - 3 kHz	40 Hz - 400 Hz
Accuracy*	$\pm (0,8\% + 50d)$	$\pm (0,8\% + 8d)$
Protection (IAC, DC)	HBR fuses (10kA/1A/600V and 100 kA/15A/600V)	HBR fuses (10 kA/1 A/600 V and 100 kA/15 A/600 V)
<b>Resistances</b>	200 $\Omega$ - 2, 20, 200 k $\Omega$ 2, 20, 200, 2000 M $\Omega$	400 $\Omega$ - 4, 40, 400 k $\Omega$ 4, 40 M $\Omega$
Resolution	0,01 $\Omega$	0,01 $\Omega$
Accuracy*	$\pm (0,3\% + 30d)$	$\pm (0,3\% + 2d)$
<b>Continuity (with beeper)</b>	Threshold approx. 50 $\Omega$	Threshold approx. 50 $\Omega$
<b>Diode test</b>	Max.voltage 3,3 V Voltage max. 3,3 V (test current : 1,1 mA typ.)	Max.voltage 3,3 V Voltage max. 3,3 V (test current : 1,1 mA typ.)
<b>Capacitance</b>	4, 40, 400 nF - 4, 40, 400 $\mu$ F - 4, 40 mF, 40, 400 nF - 4, 40, 400 $\mu$ F - 4, 10 mF	
Resolution	1 pF	1 pF
Accuracy*	$\pm (0,9\% + 5d)$	$\pm (0,9\% + 20d)$
<b>Frequency</b>	20,200 Hz - 2,20,200 kHz - 1 MHz	400 Hz - 4, 40, 400 kHz - 4 MHz
Resolution	0,01 Hz	0,01 Hz
Accuracy*	$\pm (0,01\% + 10d)$	$\pm (0,01\% + 1d)$
Input protection	600 VRMS according to $\Omega$ , C, F, diode	600 VRMS according to $\Omega$ , continuité, diode, C, F
<b>Temperature</b>	-200 to 1200 $^{\circ}$ C	- 200 to 1250 $^{\circ}$ C
Resolution	0,1 $^{\circ}$ C	0,1 $^{\circ}$ C
Accuracy*	$\pm (0,1\% + 3^{\circ}$ C)	$\pm (1^{\circ}$ C + 2d)

ADVANCED FONCTIONS	SEFRAM 7337	SEFRAM 7345
Zoom function and central zero on bargraph	•	•
AUTO HOLD	•	•
Automatic detection of the fuse state	•	•
Indicator of test leads connection	•	•
MAX/MIN/MAX-MIN/AVG	•	•
Relative mode	•	•
dB, dB (programmable load)	•	•
Limits test (Hi and Low)	•	•
Memory mode (1000 values)	•	•
Datalogger function (values)	(6000)	•
Peak hold (0,5ms)	•	•
RS-232 cable	•	•
Software + cable	option	•
GENERAL SPECIFICATION	SEFRAM 7337	SEFRAM 7345
True RMS	AC, AC+DC	
Backlight display	Main : 20.000 cts Secondary : 20.000 cts/ Bargraph : 83 segments	Main : 40.000 pts/ Secondary : 2 x 40.000 pts Bargraph : 80 segments
Measurement rate	2/sec ( in 20.000 counts mode) 4/sec. ( in 4.000 counts mode)	2/sec ( in 20.000 counts mode) 4/sec. ( in 4.000 counts mode)
Auto power off	30 min.	30 min.
Power supply / Autonomy	battery 9V / 100h.	battery 9V / 100h.
Sealing category	IP 64	IP 64
IEC 1010	600 V CAT III / 1000 V CAT II	600 V CAT III / 1000 V CAT II
Dimensions, weight	100 x 212 x 55 mm, 600 g (with holster)	100 x 212 x 55 mm, 650 g (with holster)

Supplied with : A test leads set, an alligators set, a protective holster, a battery, a thermocouple adapter (ST306) and a K probe (ST305).  
Only for Sefram 7345 : an RS-232 cable (SI 659) and the applications software (SI 660).

Optional accessories : see page 54, 55, 56, 57.

- SI 659 - RS-232 Interface
- SI 689 - application software for Sefram
- SC 500 - carrying case

## SI 689 and SI 660 Applications Software



- Virtual multimeter with :**
- Digital display
  - Pointer Display
  - Limits test with alarm
  - Simultaneous statistical display (Min, Max, M ax-Min & Average)
  - Programmable sampling period (from 0,5s to 5 mn)

- Export acquired data to different applications**
- DMM data acquisition to a PC in a real time
  - Transfer of the DMM data to a PC.
  - Display data in a tabular or graphical formats
  - Standard printing under Windows®
  - Copy to the Windows® clip board
  - Static data linking (OLE with different spread sheets Excel®)
  - Dynamic data exchange (DDE with compatible Windows® applications).



RS-232 cord allows direct data transfer from your multimeter to your PC.

# Cost effective precision

TRMS AC+DC

TRMS AC+DC



BK 2880B



BK 2890A

### Capabilities

- Backlight dual display, bargraph
- Bandwidth up to 100 KHz
- Basic Accuracy 0,025%
- frequency counter measurements up to 20MHz
- Square wave generator
- Conductance measurements
- IEC 1010 : 600 V CAT IV

51,000 counts.  
TRMS AC+DC

Technical Specification	BK2880B	BK2890A
<b>Voltage DC</b>	50mV, 500mV, 1000mV, 5V, 50V, 500V, 1000V	
Resolution	1 μV	1 μV
Accuracy	± (0,03% +5d)	± (0,025% +5d)
<b>AC, AC+DC voltage</b>	50mV, 500mV, 1000mV, 5V, 50V, 500V, 1000V	
Resolution	μV	1μV
Bandwidth	30Hz to 30KHz	20Hz to 100 KHz
Accuracy	±(0,4% +25d)	±(0,4%+ 25d)
<b>DC current</b>	500μA, 5mA, 50mA, 500mA, 5A,10A	
Resolution	0,01 μA	1 μA
Accuracy	±(0,1% +5d)	±(0,05% +5d)
<b>AC,AC+DC current</b>	500μA, 5mA, 50mA, 500mA, 5A,10A	
Resolution	0,01 μA	1 μA
Bandwidth	30Hz to 20kHz	30Hz to 100kHz
Accuracy	±(1,5% +4d)	±(0,8% +25d)
Protection (IAC,DC)	HPC fuses . (10K A)	
<b>Resistances</b>	500, 5K, 50K, 500K,5M,50M,500M	
Resolution	0,01 Ω	0,01 Ω
Accuracy	±(0,08%+5d)	±(0,05%+5d)
<b>Continuity with Buzzer</b>	Threshold approx. 50 ohms	
<b>Diode Test</b>	Max Voltage . 4,8 VDC	
<b>Capacitance</b>	10/100/1000 nF; 10/100/1000 μF; 10/100 mF	
Resolution	0,001nF	0,001nF
Accuracy	±(1% +5d)	±(1% +5d)
<b>Frequency</b>	10Hz to 2 MHz	10Hz to 2 MHz
Resolution	0,001 Hz	0,001 Hz
Accuracy	±(0,02% +3 d)	±(0,02% +3 d)
<b>Temperature</b>	-200°C to 1372°C	
Resolution	0,1°C	0,1°C
Accuracy	±(0,3% +3°C)	±(0,3% +3°C)

Supplied with : A test leads set,

Optional accessories : see page 54, 55, 56, 57.

Technical Specification	BK2880B	BK2890A
<b>Frequency counter</b>	-	10Hz to 20 MHz
Resolution	-	-
Accuracy	-	±(0,002%+ 3 d)
<b>Pulse measurement</b>	500 mS / 2000mS	500 mS / 2000mS
Accuracy	±(0,2% +3d)	±(0,2% +3d)
<b>Duty cycle</b>	-	0,01% to 99, 9%
	-	0,3% par Khz
<b>Square generator</b>	-	25 pre-programmed frequencies
<b>Conductance</b>	-	-
<b>Temperature</b>	Type K	Type K/J
	-200°C to 1372°C (K) / to 1200°C(J)	
dB, dBm (programmable load)	yes	yes
<b>GENERAL SPECIFICATION</b>		
Display with backlight	51 000 counts with bargraph 80 segments	
Measurement rate	2meas/ sec	2meas/ sec
Auto Power off	yes	yes
Battery life	80 hours ( 9V battery)	80 hours ( 9V battery)
IEC1010	600V CAT IV	600V CAT IV
Dimensions, weight	192 x 90 x 37, 936g	192 x 90 x 37, 936g



A large display provides a very easy measurement reading. All the necessary function are available from the rotary button.