

# SEFRAM INSTRUMENTS

## Digital Catalog




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# Digital Catalogue

SEFRAM digital catalogue contains many hypertext links to aim at:


- Allowing you to quickly and easily choose your product,
- Guiding you on the products pages from our website to show you the associated accessories,
- Guiding you on the detailed technical documentations.


  
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## DATA ACQUISITION SOLUTIONS

  
[SEFRAM's website home page](#)


○ A portable data acquisition solution for all your process applications.


  
**DAS 220**

  
**DAS 240**


Model	DAS 220	DAS 240
Number of channels	10 multiplexed channels	20 to 200 multiplexed channels
Touch screen	TFT 10 " Colour	TFT 10 " Colour
Measured values	Temperature, DC Voltage, Current, Resistance	Temperature, DC Voltage, Current, Resistance
Max. permissible Voltage	100 V DC	100 V DC
Max Sampling Frequency	1 kHz (1 ms)	1 KHz (1 ms)
Internal Memory	32 Go	32 Go
Battery life	15 h	15 h
External piloting and processing software	✓	✓
Interface	USB, Ethernet, Wi-Fi, Digital Input/Output	USB, Ethernet, Wi-Fi, Digital Input/Output
Detailed data sheet		

DAS220-240 DATA ACQUISITION

  
**Technical Documentation**

  
**Social networks**

## ○ DATA ACQUISITION SOLUTIONS AND DATALOGGERS

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# DATA ACQUISITION SOLUTIONS

A portable Data Acquisition Solution for all your process applications.



DAS 220



DAS 240

Model	DAS 220	DAS 240
Number of channels	10 multiplexed channels	20 to 200 multiplexed channels
Touchscreen	TFT 10 " Colour	TFT 10 " Colour
Measured values	Temperature, DC Voltage, Current, Resistance	Temperature, DC Voltage, Current, Resistance
Maximum Voltage	100 V DC	100 V DC
Max Sampling Frequency	1 kHz (1 ms)	1 kHz (1 ms)
Internal Memory	32 GB	32 GB
Battery life	15 h	15 h
Remote control and process software	✓	✓
Interface	USB, Ethernet, Wi-Fi, Digital Input/Output	USB, Ethernet, Wi-Fi, Digital Input/Output
Detailed datasheet		





# DATA ACQUISITION SOLUTIONS

A portable, high-speed and multi-purposed Data Acquisition Solution with power analysis function\*.



DAS 30



DAS 50



DAS 60

\*Internal printer option available for each model

Model	DAS 30	DAS 50	DAS 60
Number of channels	2 isolated universal channels	4 isolated universal channels	6 isolated universal channels
Touchscreen	TFT 10" Colour	TFT 10" Colour	TFT 10" Colour
Measured values	Temperature, DC Voltage / AC+DC, Current, Resistance, Frequency	Temperature, DC Voltage / AC+DC, Current, Resistance, Frequency	Temperature, DC Voltage / AC+DC, Current, Resistance, Frequency
Maximum Voltage	500 V	500 V	500 V
Bandwidth	100 kHz	100 kHz	100 kHz
Max Sampling Frequency	1 MHz (1 μs)	1 MHz (1 μs)	1 MHz (1 μs)
Power analysis	✓ (Up to 100Hz)	✓ (Up to 100Hz)	✓ (Up to 400 Hz)
Internal Memory	32 GB	32 GB	64 GB
Battery life	9h30	9h30	9h30
Remote control and process software	✓	✓	✓
Interface	USB, Ethernet, Wi-Fi, Digital Input/Output	USB, Ethernet, Wi-Fi, Digital Input/Output	USB, Ethernet, Wi-Fi, Digital Input/Output
Detailed datasheet			

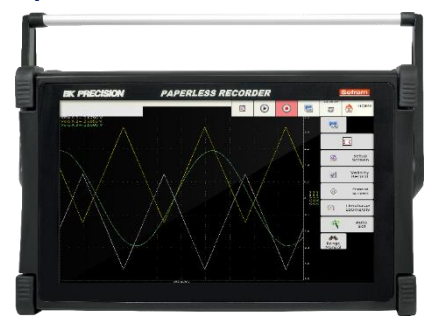
DAS 30 / DAS 50 / DAS 60



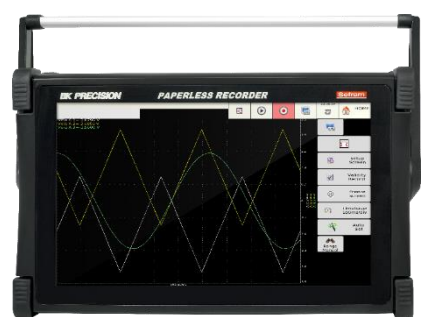


# DATA ACQUISITION SOLUTIONS

An effective bench Data Acquisition Solution.



DAS 700



DAS 701

Model	DAS 700	DAS 701
Number of channels	6 isolated universal channels	12 multiplexed channels
Touchscreen	TFT 15.6 " Colour	TFT 15.6 " Colour
Measured values	Temperature, DC Voltage / AC+DC, Current, Resistance, Frequency	Temperature, DC Voltage, Current, Resistance
Maximum Voltage	Up to 500 V	50 V
Bandwidth	100 kHz	1 kHz
Max Sampling Frequency	1 MHz (1 $\mu$ s)	5 kHz (200 $\mu$ s)
Internal Memory	500 GB	500 GB
Power analysis	✓ (Up to 1kHz)	✗
Function of advanced mathematics	✓	✓
Remote control and process software	✓	✓
Interface	USB, Ethernet, Wi-Fi, Digital Input/Output	USB, Ethernet, Wi-Fi, Digital Input/Output
Detailed datasheet		

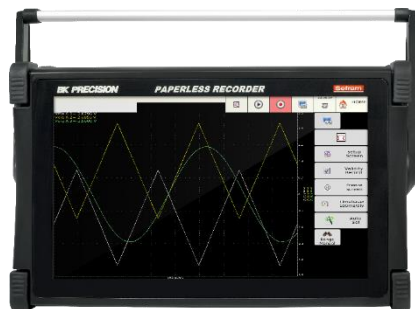
DAS 700 / DAS 701





# DATA ACQUISITION SOLUTIONS

Modular High Speed Data Acquisition Solution for all demanding applications.



DAS 1700



8460

Model	DAS 1700	8460
Number of channels	6 to 72 channels	6 to 36 channels (thermal printer)
Acquisition card type	Multiplexed, Universal, Strain gauge	Multiplexed, Universal, Strain gauge
Touchscreen	TFT 15.6 " Colour	TFT 15.4 " Colour
Measured values	Temperature, DC Voltage / AC+DC, Current, Resistance, Frequency	Temperature, DC Voltage / AC+DC, Current, Resistance, Frequency
Maximum Voltage	Up to 1000 V	Up to 1000 V
Bandwidth	100 kHz	100 kHz
Max Sampling Frequency	1 MHz (1 $\mu$ s)	1 MHz (1 $\mu$ s)
Internal Memory	500 GB	500 GB
Power analysis	✓ (Up to 4 simultaneous three-phased analysis and 1 kHz)	✓ (Up to 3 simultaneous three-phased analysis and 1 kHz)
Function of advanced mathematics	✓	✓
Remote control and process software	✓	✓
Interface	USB, Ethernet, Wi-Fi, Digital Input/Output	USB, Ethernet, Wi-Fi, Digital Input/Output
Detailed datasheet		

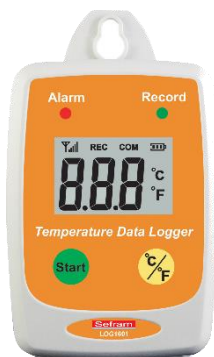






# ➤ TEMPERATURE DATALOGGERS

○ A compact unit with a programmable alarm function for long period measurements.



LOG1601



LOG1620

Model	LOG1601	LOG1620
Temperature Range	-40°C to +85°C	-40°C to 85°C
Humidity measurement	✘	✓
Integrated internal sensor	Resistive	Resistive
Resolution	0.1°C	0.1°C and 0.10%
Recording	50 000 points	50 000 points
Programmable alarm	✓	✓
Battery life	1 year	1 year
Supplied PC software	✓	✓
Interface	USB	USB
Detailed datasheet		





# TV METERS



An intuitive TV meters range dedicated to installers.



SEFRAM7817B



SEFRAM7848B



SEFRAM7849B



SEFRAM7859B

Model	SEFRAM7817B	SEFRAM7848B	SEFRAM7849B	SEFRAM7859B
DVB-T, DVB-T2, complete measurements	✓	✓	✓	✓
DVB-S, DVB-S2, DVB-S2X (option), complete measurements	✗	✓	✓	✓
DVB-C, DVB-C2, (J-83A), complete measurements	✓	✗	✓	✓
Satellite pointer mode	✗	✓	✓	✓
Terrestrial pointer mode	✓	✓	✓	✓
Digital SD/HD terrestrial bouquets visualisation	✓	✓	✓	✓
Digital SD/HD satellite bouquets visualisation	✗	✓	✓	✓
External power supply 5V/ 13V/ 18V/ 24V	✓	✓	✓	✓
Measurement plan	✗	✗	✓	✓
Values recording	✗	✗	✓	✓
Satellite and terrestrial reception optical measurement	✗	✗	✗	✓
Detailed datasheet				

7817B / 7848B / 7849B / 7859B





# TV METERS



A professional TV Meters range for broadcaster experts.



SEFRAM7880-4k



SEFRAM7881-4k



SEFRAM7882-4k



SEFRAM7885-4k

Model	SEFRAM7880	SEFRAM7881	SEFRAM7882	SEFRAM7885
DVB-T/T2/T2Lite, DVB-C/C2, DVB-S/S2 (MS)	✓	✓	✓	✓
MPEG-2, MPEG-4 (H.264) HEVC (H.265) decoding	✓	✓	✓	✓
Fast spectral analysis	✓	✓	✓	✓
DCSS, SatCR according to EN50607	✓	✓	✓	✓
Expert spectrum	✓	✓	✓	✓
2.4 GHz and 5 GHz WiFi	✓	✓	✓	✓
CAM CI	✗	✓	✓	✓
MER by CARRIER	✗	✓	✓	✓
IPTV	✗	✗	✓	✓
GPS	✗	✗	✗	✓
Detailed datasheet				

7880-4k / 7881-4k / 7882-4k / 7885-4k





## ➤ TRMS AC+DC MULTIMETERS

○ A complete range of high-accuracy handheld multimeters for demanding applications.



SEFRAM7334



SEFRAM7335



SEFRAM7352B



SEFRAM7355

Model	7334	7335	7352B	7355
Display	6000 points	6000 points	40000 points	100000 points
Max DC Voltage / Max AC Voltage	1000 V	1000 V	1000 V	1000 V
Max Voltage AC+DC	600 V	600 V	1000 V	1000 V
Max Current AC+DC	10 A	10 A	10 A	10 A
Max Resistance	40 MΩ	40 MΩ	10 MΩ	10 MΩ
Continuity	✓	✓	✓	✓
Capacitance measurement	✓	✓	✓	✓
Bluetooth	✗	✗	✓	✗
Detailed datasheet				



Test leads for multimeters



\*Compatible with **SP295 current clamp**  
30A/300A/3000A





# ➤ TRMS AC MULTIMETERS

○ An efficient range of multimeters.



SEFRAM7202

SEFRAM7203

SEFRAM7204

SEFRAM7220

SEFRAM7221

SEFRAM7223

Model	7202	7203	7204	7220	7221	7223
Display	6000 points	6000 points	6000 points	6000 points	6000 points	6000 points
Max DC Voltage / Max AC Voltage	600 V	600 V	600 V	1000 V	1000 V	1000 V
Max DC Current / Max AC Current	✗	10 A	10 A	✗	10 A	10 A
Max Resistance	40 MΩ	40 MΩ	40 MΩ	40 MΩ	40 MΩ	40 MΩ
Continuity	✓	✓	✓	✓	✓	✓
Capacitance measurement	✓	✓	✓	✓	✓	✓
Temperature	✗	✗	✓	✗	✗	✓
Datalogger function	✗	✗	✗	✗	✓	✓
Measurement voltage on solar panel (Option SA163)	✗	✗	✗	✗	✗	✓
Detailed datasheet						



Test leads for multimeters



\*Compatible with SP295 current clamp 30A/300A/3000A



7202 / 7203 / 7204 / 7220 / 7221 / 7223





## ➤ CURRENT CLAMPS

○ Up to 1500 AAC/DC clamp-on meter range for maintenance services.



MW3350



MW3352\*



MW3360



MW3380



MW3390

*\*Dedicated for heating specialists*

Model	MW3350	MW3352	MW3360	MW3380	MW3390
Display	LCD 4000 points	LCD 4000 points	LCD 4000 points	LCD 4000 points	LCD 4000 points
Max DC Voltage	600 V	1000 V	600 V	1000 V	1000 V
Max AC Voltage	600 V	600 V	600 V	750 V	750 V
Max AC Current	400 A	600 A	600 A (AC/DC)	1000 A	1500 A
Max Resistance	400 MΩ	400 MΩ	400 MΩ	400 MΩ	400 MΩ
Jaws opening	37 mm	36 mm	45 mm	53 mm	53 mm
Continuity	✓	✓	✓	✓	✓
Temperature	✗	✓	✗	✗	✗
Detailed datasheet					

MW3350 / MW3352 / MW3360 / MW3380 / MW3390





# SPECIALIZED CURRENT CLAMPS

New

Sefram

Current clamps for dedicated applications.

Photovoltaic measurement



MW3517BF

Leakage current measurement



MW3950B

Flexible clamps with display



SP297B

SP298B

Model	MW3517BF	MW3950B	SP297B / SP298B
Display	LCD 6000 points	LCD 6000 points	LCD 10000 points
Max DC Voltage	1000 V / 2000 V with option SA163	×	1000 V
Max AC Voltage	1000 V / 1500 V with option SA163	×	1000 V
Max AC Current	600 A / 3000 A with option SP295	60 A	3000 A
Max DC Current	600 A	×	×
Max Resistance	600 kΩ	×	10 kΩ
Jaw opening / diameter	42 mm	42 mm	100 mm / 160 mm
Bluetooth	✓	✓	✓
Detailed datasheet			

MW3517BF / MW3950B / SP297B-SP298B





# ➤ POWER METER CLAMPS

○ Up to 1000V / 1000kW Power Meter Clamps range made for maintenance services.



MW3516BF



MW3526BF



MW3536BF

Model	MW3516BF	MW3526BF	MW3536BF
Display	10000 points	10000 points	10000 points
Max DC Voltage / Max AC Voltage	1000 V	1000 V	1000 V
Max AC Current	600 A	600 A	1000 A
Max DC Current	×	600 A	1000 A
Max Resistance	100 MΩ	100 MΩ	100 MΩ
Jaws opening	45 mm	45 mm	45 mm
Active power measurement	✓	✓	✓
Bluetooth	✓	✓	✓
Detailed datasheet			

MW3516BF / MW3526BF / MW3536BF







## VOLTAGE TESTERS

A complete range of LED voltage and continuity testers.



SEFRAM62



SEFRAM66



SEFRAM70

Model	SEFRAM62	SEFRAM66	SEFRAM70
Display	LED	LCD Screen + LED	LCD Screen + LED
IP2X Touch points	✓	✓	✓
Max AC Voltage	690 V	1000 V	1000 V
Max DC Voltage	690 V	1500 V	1000 V
Continuity test	✓	✓	✓
Resistance measurement	✓	✓	✓
Phases rotation test	✓	✓	✓
Current measurement	✗	✗	200 A AC
Detailed datasheet			





## ➤ INSULATION TESTERS

50V to 1000V Insulation tester, 600V TRMS Multimeter.



Active testing probe for MW9090 and MW9091 : 9090PROBE

MW9090



MW9091

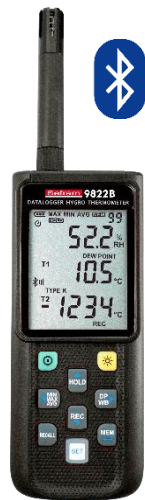
Model	MW9090	MW9091
Testing Voltage	50 V, 100 V, 250 V, 500 V, 1000 V	50 V, 100 V, 250 V, 500 V, 1000 V
Insulation resistance measurement	20 GΩ	22 GΩ
Continuity test	✓	✓
PI and DAR measurement	✓	✓
Multimeter function	✗	✓
Interface	✗	✗
Detailed datasheet		





## ➤ ENVIRONMENT TESTERS

○ A multi-purpose range for your environment measurements.



### Thermo-hygrometer

- Humidity 0 to 100%
- Temperature probe T1: -20°C to 60°C
- Thermocouple Temperature probe T2: -200°C to 1370°C
- USB interface with software
- Recording 32000 points
- Bluetooth application

Detailed datasheet



SEFRAM 9822B



### Sound level meter with recording

- Measuring range 30 dB to 130 dB
- Frequency weighting A and C
- USB interface with software
- Recording 128000 points
- MP3 audio recording

Detailed datasheet



SEFRAM 9836



### Hot wire anemometer

- Air speed and flow measurement
- Temperature measurement
- Humidity measurement

Detailed datasheet



SEFRAM 9862



### 4 inputs thermometer

- Measurement range -200 °C to 1370 °C
- USB interface with software
- Recording 32000 points
- Bluetooth application

Detailed datasheet



SEFRAM 9816B



### Laser infrared thermometer

- Laser light
- Thermography range -20°C to 550°C
- Resolution 160 x 120 (19200 pixels)
- Thermal snapshots (8GB SD card)

Detailed datasheet



SEFRAM 9819



### Digital light meter

- Measuring range 40 to 4000 lux
- Incandescent light, natural LED
- Min, Max, Avg, Hold functions

Detailed datasheet



SEFRAM 9855

9822B / 9836 / 9862 / 9814B / 9819 / 9855





# ➤ DC POWER SUPPLIES

○ A triple output DC power supplies range up to 375W.



BK1672



BK1673



BK1761



BK1762

Model	BK1672	BK1673	BK1761	BK1762
Power	200W	375W	220W	300W
Outputs	3	3	3	3
Output Voltage	2x 0-32V / 1x 5V	2x 0-32V / 1x 5V	2x 0-35V / 1x 2 -6.5V	2x 0-60V / 1x 4-6.5V
Output Current	2x 0-3A / 1x 3A	2x 0-6A / 1x 3A	2x 0-3A / 1x 0-5A	2x 0-2A / 1x 0-5A
CC and CV mode	✓	✓	✓	✓
Serial or parallel mode	✓	✓	✓	✓
Protection	✗	✗	OVP	OVP
Interface	✗	✗	✗	✗
Remote sense	✗	✗	✗	✗
Detailed datasheet				

BK1672 / BK1673 / BK1761 / BK1762





# ➤ DC POWER SUPPLIES

○ A switching power supplies range up to 960W.



BK168XB series



BK169XB series



BK190XB series

Model	BK168XB series	BK169XB series	BK190XB series
Power	From 300 to 360W	200W	From 900W to 960W
Outputs	1	1	1 (+ 1 auxiliary output)
Output Voltage	Up to 60V	Up to 60V	Up to 60V
Output Current	Up to 20A	Up to 10A	Up to 60A
CC and CV mode	✓	✓	✓
Remote control software	✓	✓	✓
Protection	OCP, OVP, OTP	OCP, OVP, OTP	OCP, OVP, OTP
Interface	USB	USB, RS 485	USB
Remote sense	✗	✗	✗
Analogue control	✓	✗	✓
Detailed datasheet			

BK168XB / BK169XB / BK190XB





# ➤ DC POWER SUPPLIES

○ A programmable multi-range linear power supplies.



BK910X series



BK920X series



BK914X series

Model	BK910X series	BK920X series	BK914X series
Power	320W	From 200W to 600W	300W
Outputs	1	1 (+ 1 auxiliary output)	3
Output Voltage	Up to 84V	Up to 84V	Up to 60V
Output Current	Up to 20A	Up to 25A	Up to 8A
CC and CV mode	✓	✓	✓
Remote control software	✓	✓	✓
Protection	OCP, OVP, OTP	OCP, OVP, OTP	OCP, OVP, OTP
Interface	USB	USB, RS232, GPIB, Driver LabView	USB, LAN(LXI), GPIB(option), logics I/O, LabView and IVI.NET drivers
Batteries test	✗	✓	✗
Remote sense	✓	✓	✓
Analogue control	✓	✓	✗
Detailed datasheet			

BK910X / BK920X





# ➤ DC POWER SUPPLIES

○ A programmable dual range linear power supplies range with a configurable interface.



BK917XB series



BK918XB series

Model	BK917XB series	BK18XB series
Power	From 100W to 210W	From 200W to 600W
Outputs	2	1
Output voltage	Up to 70V	Up to 600V
Output current	Up to 5A	Up to 10A
LED testing mode	✓	✓
Standard interface	USB, Driver LabView	USB, Driver LabView
Flexible interface according to the chosen card option	RS-232, LAN + IEE, Analogue, RS485	RS-232, LAN + IEE, Analogue, RS485
Remote control software	✓	✓
Remote sense	✓	✓
Protection	OCP, OVP	OCP, OVP
Detailed datasheet		

BK917XB / BK918XB





# ➤ DC POWER SUPPLIES

○ A wide range of rackable programmable linear Power Supplies.



BK9115 series



XLN series High Voltage



XLN series High Current

Model	BK9115 series	XLN series High Voltage	XLN series High Intensity
Power	From 1200W to 3000W	1560W	1440W
Outputs	1	1	1 (+ 1 auxiliary output 5V/1A)
Output Voltage	Up to 150V	Up to 600V	Up to 100V
Output Current	Up to 120A	Up to 10.4A	Up to 24A
Serial or parallel mode	✓	✓	✓
Interface	USB, RS-232, GPIB, RS-485, LAN	USB, RS-485, Driver LabView (GPIB, LAN in option)	USB, RS-485, Driver LabView (GPIB, LAN in option)
Analogue control	✓	✓	✓
Remote sense	✓	✓	✓
Protection	OVP, OVP, OTP	OVP,OCP,OTP, OPP	OVP,OCP,OTP, OPP
Detailed datasheet			







# ➤ DC POWER SUPPLIES

○ A wide range of rackable programmable linear Power Supplies including photovoltaic features.



MR series



PVS series

Model	MR series	PVS series
Power	Up to 5000W	From 3000W to 5100W
Outputs	1	1
Output Voltage	Up to 1000V	Up to 1000V
Output Current	Up to 80A	Up to 8.5A
Serial or parallel mode	✓	✓
Interface	USB, RS-232, GPIB, LAN (LXI)	USB, RS-485, RS-232, IEEE, LAN, Driver LabView
Analogue control	✓	✓
Remote sense	✓	✓
Protection	OCP, OVP, OTP, OPP	OVP, OVP, OTP, OPP
Detailed datasheet		





# ➤ AC POWER SOURCES

Programmable AC Power Sources range from 300 VA to 1500 VA.



BK9801



BK9803



BK9805

Model	BK9801	BK9803	BK9805
Power	300 VA	750 VA	1500 VA
Outputs	1	2	1
Output Voltage	Up to 300V	Up to 300V	Up to 300V
Output Current	Up to 3A	Up to 6A	Up to 12A
Output frequency	45 to 500Hz	45 to 500Hz	45 to 500Hz
Remote control Software	✓	✓	✓
External trigger	✓	✓	✓
Interface	USB, LAN, RS-232, LabView Driver	USB, LAN, RS-232, GPIB, LabView Driver	USB, LAN, RS-232, GPIB, LabView Driver
Rack-mount	✓	✓	✓
Protection	OCP, OVP, OPP, OTP	OCP, OVP, OPP, OTP	OCP, OVP, OPP, OTP
Detailed datasheet			

BK9801 / BK9803 / BK9805





# ➤ AC+DC POWER SOURCES



Programmable AC Power Sources up to 3000 VA with DC output.



3-Phase capability using 3 AC sources and the 3-Phase kit TL983P-KIT



BK9832B



BK9833B

Model	BK9832	BK9833
AC power	2000 VA	3000 VA
DC power	1000 W	1500 W
Outputs	1	1
Output Voltage	Up to 300V	Up to 300V
Output Current	Up to 20A	Up to 30A
Output frequency	From 45 to 1200Hz (single phase) / From 45 to 600 Hz (Three-phase)	From 45 to 1200Hz (single phase) / From 45 to 600 Hz (Three-phase)
Remote control Software	✓	✓
External trigger	✓	✓
Interface	USB, RS-232, RS-232, LabView Driver	USB, LAN, RS-232, GPIB, LabView Driver
Rack-mount	✓	✓
Protection	OCP, OVP, OPP, OTP	OCP, OVP, OPP, OTP

Detailed datasheet

Detailed datasheet





# ➤ DC ELECTRONIC LOADS

○ An Electronic Loads range from 150W to 600W.



BK8542B



BK8500B



BK8502B



BK8510B

Model	BK8542B	BK8500B	BK8502B	BK8510B
Max power	150W	300W	300W	600W
Inputs	1	1	1	1
Input voltage	150V	150V	500V	120V
Input current	30A	30A	15A	120A
Constant mode	CC, CV, CR, CW	CC, CV, CR, CW	CC, CV, CR, CW	CC, CV, CR, CW
Interface	USB (TTL)	USB (TTL)	USB (TTL)	USB (TTL)
Analogue control	✓	✓	✓	✓
Batteries test	✓	✓	✓	✓
Remote sense	✓	✓	✓	✓
Protection	OVP, OCP, OPP, OTP	OVP,OCP,OTP, OPP	OVP,OCP,OTP, OPP	OVP, OVP, OTP
Detailed datasheet				

BK8542B / BK8500B / BK8502B / BK8510B





# ➤ DC ELECTRONIC LOADS

○ A high performance Electronic Loads range up to 1500W.



BK8600



BK8601



BK8602



BK8610



BK8612

Model	BK8600	BK8601	BK8602	BK8610	BK8612
Max power	150W	250W	200W	750W	1500W
Inputs	1	1	1	1	1
Input voltage	120V	120V	500V	120V	500V
Input current	30A	60A	15A	120A	30A
Constant mode	CC, CV, CR, CW	CC, CV, CR, CW	CC, CV, CR, CW	CC, CV, CR, CW	CC, CV, CR, CW
Interface	USB, RS-232, GPIB	USB, RS-232, GPIB	USB, RS-232, GPIB	USB, RS-232, GPIB	USB, RS-232, GPIB
Analogue control	✓	✓	✓	✓	✓
Remote sense	✓	✓	✓	✓	✓
Battery test	✓	✓	✓	✓	✓
Protection	OVP, OCP, OPP, OTP	OVP,OCP,OTP, OPP	OVP,OCP,OTP, OPP	OVP, OCP, OTP, OPP	OVP, OCP, OTP, OPP
Detailed datasheet					

BK8600 / BK8601 / BK8602 / BK8610 / BK8612





# ➤ DC ELECTRONIC LOADS

○ A high performance Electronic Loads range from 1500W to 6000W.



BK8614



BK8616



BK8620



BK8622



BK8624



BK8625

Model	BK8614	BK8616	BK8620	BK8622	BK8624	BK8625
Max power	1500W	1200W	3000W	2500W	4500W	6000W
Inputs	1	1	1	1	1	1
Input voltage	120V	500V	120V	500V	120V	120V
Input current	240A	60A	480A	100A	600A	720A
Constant mode	CC, CV, CR, CW	CC, CV, CR, CW	CC, CV, CR, CW	CC, CV, CR, CW	CC, CV, CR, CW	CC, CV, CR, CW
Interface	USB, RS-232, GPIB	USB, RS-232, GPIB	USB, RS-232, GPIB	USB, RS-232, GPIB	USB, RS-232, GPIB	USB, RS-232, GPIB
Analogue control	✓	✓	✓	✓	✓	✓
Remote sense	✓	✓	✓	✓	✓	✓
Battery test	✓	✓	✓	✓	✓	✓
Protection	OVP, OCP, OPP, OTP	OVP,OCP,OTP, OPP	OVP,OCP,OTP, OPP	OVP, OCP, OTP, OPP	OVP, OCP, OTP, OPP	OVP, OCP, OTP, OPP
Detailed datasheet						

BK8614 / BK8616 / BK8620 / BK8622 / BK8624 / BK8625





# ➤ DC ELECTRONIC LOADS

○ A modular\* Electronic Loads range from 200W to 2400W.



MDL series

Model	MDL4U200	MDL4U252	MDL4U302	MDL4U305	MDL4U400	MDL4U505	MDL4U600
Max power	200W	250W / 50W	300W / 300W	300W	400W	500W	600W
Inputs	1	2	2	1	1	1	1
Input voltage	80V	80V	80V	80V	80V	80V	80V
Input current	40A	20A	45A	20A	60A	30A	120A
Interface	USB, RS-232, GPIB, LAN	USB, RS-232, GPIB, LAN	USB, RS-232, GPIB, LAN	USB, RS-232, GPIB, LAN	USB, RS-232, GPIB, LAN	USB, RS-232, GPIB, LAN	USB, RS-232, GPIB, LAN
Constant mode	CC, CV, CR, CW, CZ	CC, CV, CR, CW, CZ	CC, CV, CR, CW, CZ	CC, CV, CR, CW, CZ	CC, CV, CR, CW, CZ	CC, CV, CR, CW, CZ	CC, CV, CR, CW, CZ
Analogue control	✓	✓	✓	✓	✓	✓	✓
Remote sense	✓	✓	✓	✓	✓	✓	✓
Protection	OVP, OCP, OPP, OTP	OVP, OCP, OTP, OPP	OVP, OCP, OTP, OPP	OVP, OCP, OTP, OPP	OVP, OCP, OTP, OPP	OVP, OCP, OTP, OPP	OVP, OCP, OTP, OPP
Detailed datasheet							

\*To be integrated in the MDL4U002 expansion unit for rack-mount





# ➤ LCR METERS

○ A high resolution bench LCR meters up to 1MHz.



BK891



BK894



BK895

Model	BK891	BK894	BK895
Measurement	R, L, C, Z, D, Q, G, B, Y, ESR, DCR, $\theta$	R, L, C, Z, D, Q, G, B, Y, ESR, DCR, $\theta$	R, L, C, Z, D, Q, G, B, Y, ESR, DCR, $\theta$
Test frequency	20 Hz to 300kHz	20Hz to 500kHz	20Hz to 1MHz
Basic accuracy	0.05%	0.05%	0.05%
Frequency scanning function	✓	✓	✓
Memory function	100 configurations	40 configurations	40 configurations
Interface	USB, LAN, RS-232, GPIB	USB, LAN, RS-232, GPIB	USB, LAN, RS-232, GPIB
Transformer test	✗	✓ (option)	✓ (option)
Detailed datasheet			







## ➤ LCR METERS

○ 40,000-count handheld LCR meters range.



BK878B



BK879B



BK880

Model	BK878B	BK879B	BK880
Measurement	R, L, C, D, Q	R, L, C, Z, D, Q, ESR, $\theta$	R, L, C, Z, D, Q, ESR, DCR, $\theta$
Test frequency	120Hz, 1kHz	100Hz, 120 Hz, 1KHz, 10kHz	100Hz, 120Hz, 1KHz, 10kHz, 100kHz
Basic accuracy	0.5%	0.5%	0.1%
Automatic range change	✓	✓	✓
Min/Max/AV Hold function	✓	✓	✓
Interface	USB	USB	USB
Detailed datasheet			





## BENCH MULTIMETERS

High resolution True RMS Bench Digital Multimeters.



BK2831E



BK5491B



BK5492C/BK5493C

BK2831E / BK5491B / BK5492C / BK5493C

Model	BK2831E	BK5491B	BK5492C / BK5492CGPIB	BK5493C / BK5493CGPIB
Measurements	TRMS AC + DC Voltage and Current, Frequency, Period, Resistance	TRMS AC + DC Voltage and Current, Frequency, Period, Resistance	TRMS AC+DC Voltage and Current, Frequency, Resistance, Capacitance, temperature	TRMS AC+DC Voltage and Current, Frequency, Resistance, Capacitance, temperature
Number of points	20,000 points	50,000 points	120,000 points	1,200 000 points
Basic accuracy	0.03%	0.02%	0.01%	0,0035 %
Voltage	750V AC - 1000V DC	750V AC - 1000V DC	750V AC - 1000V DC	750V AC - 1000V DC
Current	20A AC+DC	20A AC+DC	12A AC+DC	10A AC+DC
Bandwidth	100 kHz	100 kHz	100 kHz	300 kHz
Interface	USB	USB, RS-232	USB, RS-232, LAN, GPIB (factory option)	USB, RS-232, LAN, GPIB (factory option)
Remote control software	✓	✓	✓	✓
Detailed datasheet				





# FUNCTIONS GENERATORS

DDS Dual Channel Function/Arbitrary Waveform Generators up to 60MHz.



BK405XB series

Model	BK4053B	BK4054B	BK4055B
Frequency range	1 $\mu$ Hz - 10MHz	1 $\mu$ Hz - 30MHz	1 $\mu$ Hz - 60MHz
Number of channels	2	2	2
Sampling speed	150 MSa/s	150 MSa/s	150 MSa/s
Generated signals	Sine, ramp, pulse, arbitrary	Sine, ramp, pulse, arbitrary	Sine, ramp, pulse, arbitrary
Modulation	AM/DSB-AM/ASK/FM/FSK/PM/PWM/External	AM/DSB-AM/ASK/FM/FSK/PM/PWM/External	AM/DSB-AM/ASK/FM/FSK/PM/PWM/External
Internal/External trigger	✓	✓	✓
Interface	USB, LAN, IEEE (option)	USB, LAN, IEEE (option)	USB, LAN, IEEE (option)
Remote control software	✓	✓	✓
Detailed datasheet			





# FUNCTIONS GENERATORS

DDS Dual Channel Function/Arbitrary Waveform Generators up to 120MHz.



BK406XB series

Model	BK4062B	BK4063B	BK4064B
Frequency range	1 $\mu$ Hz - 40MHz	1 $\mu$ Hz - 80MHz	1 $\mu$ Hz - 120MHz
Number of channels	2	2	2
Sampling speed	300 MSa/s (DDS) / 75 MSa/s (True arbitrary)	300 MSa/s (DDS) / 75 MSa/s (True arbitrary)	300 MSa/s (DDS) / 75 MSa/s (True arbitrary)
Generated signals	Sine, ramp, pulse, arbitrary	Sine, ramp, pulse, arbitrary	Sine, ramp, pulse, arbitrary
Modulation	AM/DSB-AM/ASK/FM/FSK/PM/PWM/External	AM/DSB-AM/ASK/FM/FSK/PM/PWM/External	AM/DSB-AM/ASK/FM/FSK/PM/PWM/External
Internal/External trigger	✓	✓	✓
Interface	USB, LAN, IEEE (option)	USB, LAN, IEEE (option)	USB, LAN, IEEE (option)
Remote control software	✓	✓	✓
Detailed datasheet			





# PULSE GENERATORS

High performance programmable pulse generators range.



BK4033



BK4034

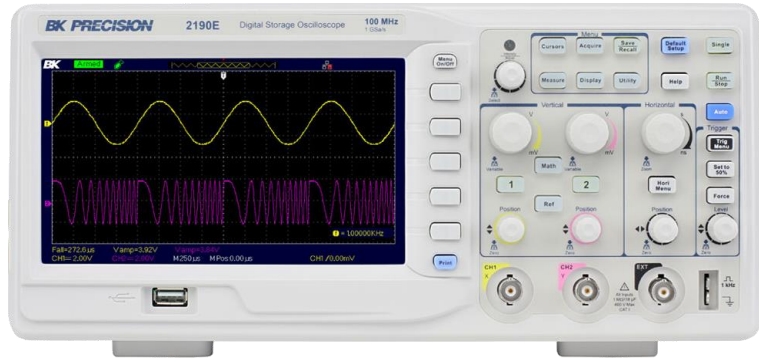
Model	BK4033	BK4034
Generated signals	Pulse	Pulse
Number of channels	1	2
Pulse length	From 10ns to 10s	From 10ns to 10s
Output frequency	From 0.1Hz to 50MHz	From 0.1Hz to 50MHz
Internal/External trigger	✓	✓
Interface	IEEE, RS-232	IEEE, RS-232
Detailed datasheet		



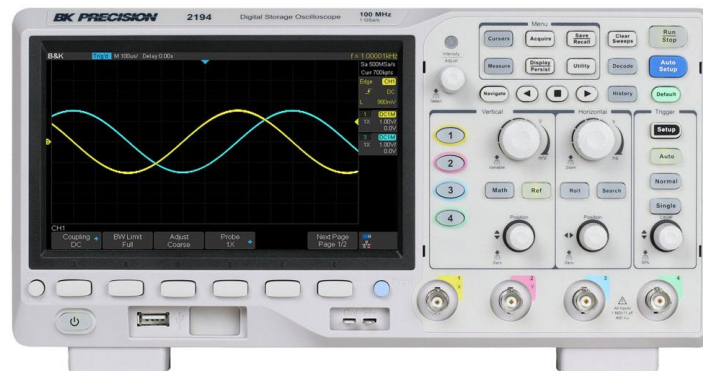


# DIGITAL OSCILLOSCOPES

A performance and value all in one Digital Storage.



BK2190E



BK2194



BK2560B Series

Model	BK2190E	BK2194	BK2560B Series
Bandwidth	100MHz	100MHz	Up to 350MHz
Number of channels	2	4	4
Sampling rate	1GSa/s	1GSa/s	2GSa/s
Remote control software	✓		✓
MSO option (when rotating)	✗	✗	✓
Interface	LAN, USB	LAN, USB	LAN, USB
Detailed datasheet			





# SPECTRUM ANALYZERS

Range of spectrum analyzers delivers performance and functionality in frequency ranges from 9 kHz to 3.2 GHz.



BK2682



BK2683

Model	BK2682	BK2683
Frequency range	9kHz – 2.1GHz	9kHz – 3.2GHz
Minimal resolution bandwidth	1Hz	1Hz
Sensitivity	- 161dBm/Hz	- 161dBm/Hz
Preamplifier	✓	✓
Pursuit generator	✓	✓
External software	✓	✓
Interface	LAN, USB	LAN, USB
Detailed datasheet		





# ➤ RF POWER METERS

○ High performance benchtop RF power meters.



RFM3002\*



RFM3004\*

Model	RFM3002	RFM3004
Number of channels	2 channels	4 channels
Independent or synchronous multi-channel measurements	✓	✓
Trigger synchronization	✓	✓
Display 16 common power measurements	✓	✓
Supports SCPI-1999.0	✓	✓
Interface	LAN, USB, GPIB(option), HDMI	LAN, USB, GPIB(option), HDMI
Detailed datasheet		

\*Compatible with RFP3000 Series USB RF Peak Power Sensors.







# ➤ USB RF Peak Power Sensors

○ The RFP3000 Series RF Peak Power Sensors are the performance leaders in the peak power measurement.



RFP3000 Series\*

USB RF PEAK POWER SENSORS RFP3000 SERIES

Model	RFP3006	RFP3008	RFP3018	RFP3118	RFP3040	RFP1340
Real-time Power Processing™ Technology	✓	✓	✓	✓	✓	✓
RF Frequency Range	50 MHz to 6 GHz	50 MHz to 8 GHz	50 MHz to 18 GHz	50 MHz to 18 GHz	50 MHz to 40 GHz	50 MHz to 40 GHz
Video bandwidth (high/std)	195 MHz / 350 kHz	165 MHz / 350 kHz	70 MHz / 350 kHz	6 MHz / 350 kHz	70 MHz / 350 kHz	6 MHz / 350 kHz
Superior 100 ps time base resolution	✓	✓	✓	✓	✓	✓
Acquisition rate up to 100 MSPS	✓	✓	✓	✓	✓	✓
Power Analyzer software	✓	✓	✓	✓	✓	✓
Detailed datasheet						

\*Compatible with RFM3000 Series RF Power Meters.





# BATTERY CAPACITY ANALYZERS

A handheld battery capacity analyzer to test and maintain sealed lead acid (SLA) batteries.



BK600B



BK601B



BK603B

Model	BK600B	BK601B	BK603B
Supported SLA battery voltages	12V	6V / 12V	6V / 12V
Capacity measurement	Up to 100Ah	Up to 100Ah	Up to 100Ah
Internal resistance measurement	✗	✗	✓
Resolution	10mV	10mV	10mV
Recording mode	✗	✗	✓
Interface	✗	✗	USB
Detailed datasheet			

BK600B / BK601B / BK603B





# BATTERY ANALYZERS

A bench battery analyzer range up to 300V battery packs.



BA6010



BA6011

Model	BA6010	BA6011
Voltage measurement range	6V / 60V	30V / 300V
Accuracy	0.05%	0.05%
AC test signal	1kHz	1kHz
Resolution	100µV	1mV
Interface	RS-232, USB, Analogue	RS-232, USB, Analogue
Detailed datasheet		





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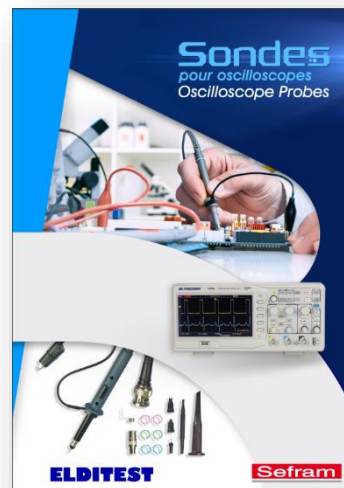


## ➤ OTHER CATALOGS

*Testing accessories catalog*



*Oscilloscopes probes catalog*



*B&K PRECISION catalog*



*Data Acquisition Solutions catalog*



*TV meters catalog*





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