

BK9103 & BK9104

320 W Multi-Range DC Power Supplies



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BK PRECISION
ELECTRONIC TEST INSTRUMENTS

Sefram

Overview

Multi-Range DC Power Supplies

320 W output power

Automatically recalculates voltage and current limits for each setting

USB interface

PC software for remote control and external timed programming



| Model | 9103 | 9104 |
|-----------------|----------|----------|
| Maximum Voltage | 0 - 42 V | 0 - 84 V |
| Maximum Current | 0 - 20 A | 0 - 10 A |

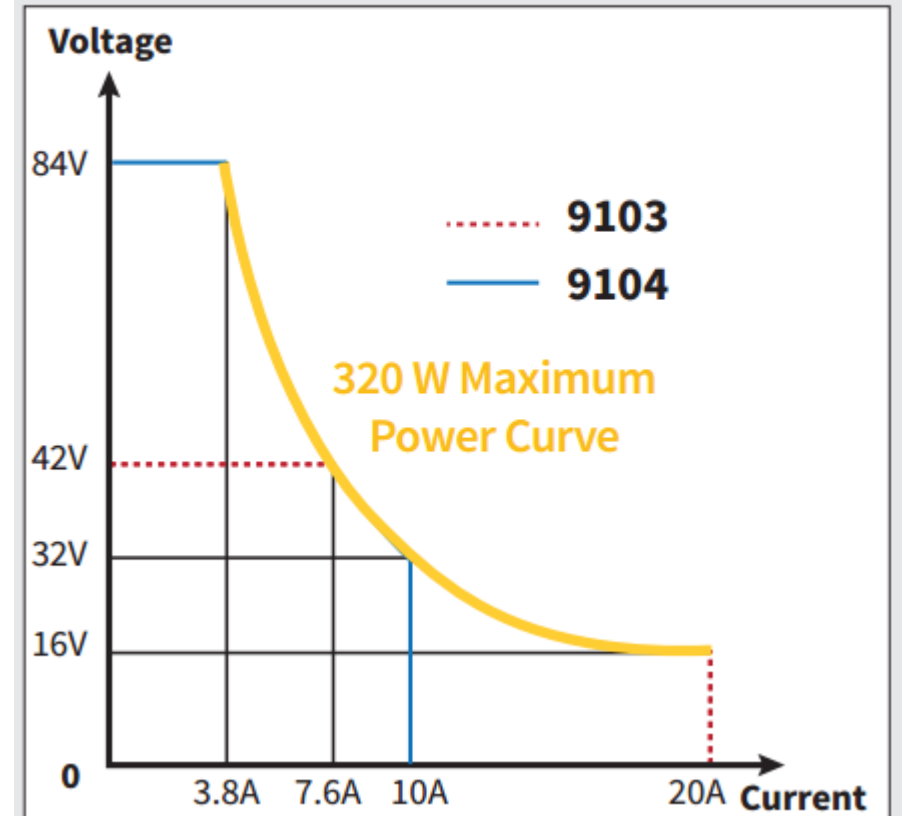
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Advantage of Multi-Range Power Supply

Traditional power supplies with rectangular output characteristics are only able to deliver maximum output power at one voltage/current point. The 9103 and 9104 provide greater flexibility over traditional power supplies by extending the operating areas. For example, the 9103 can operate at 42V / 7.6 A, 16 V / 20 A, or any other point on the maximum power curve.

[YouTube Video](#)

Model 9103 / 9104
output characteristics



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Features & Benefits

Automatic CV/CC crossover operation

Lightweight and compact

Save up to 3 user-defined voltage and current presets for quick recall

Transient mode for generating square, triangular or trapezium waveforms

Analog remote control function

Output on-off switch and control panel lock button for safer operation

Overvoltage and overcurrent protection



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Fully Protected

Have peace of mind knowing that these power supplies come with built-in OVP (overvoltage protection), OTP (overtemperature protection), and OLP (overload protection) circuitry. These protections help prevent serious damage to equipment in case of power supply failure.

Front Panel

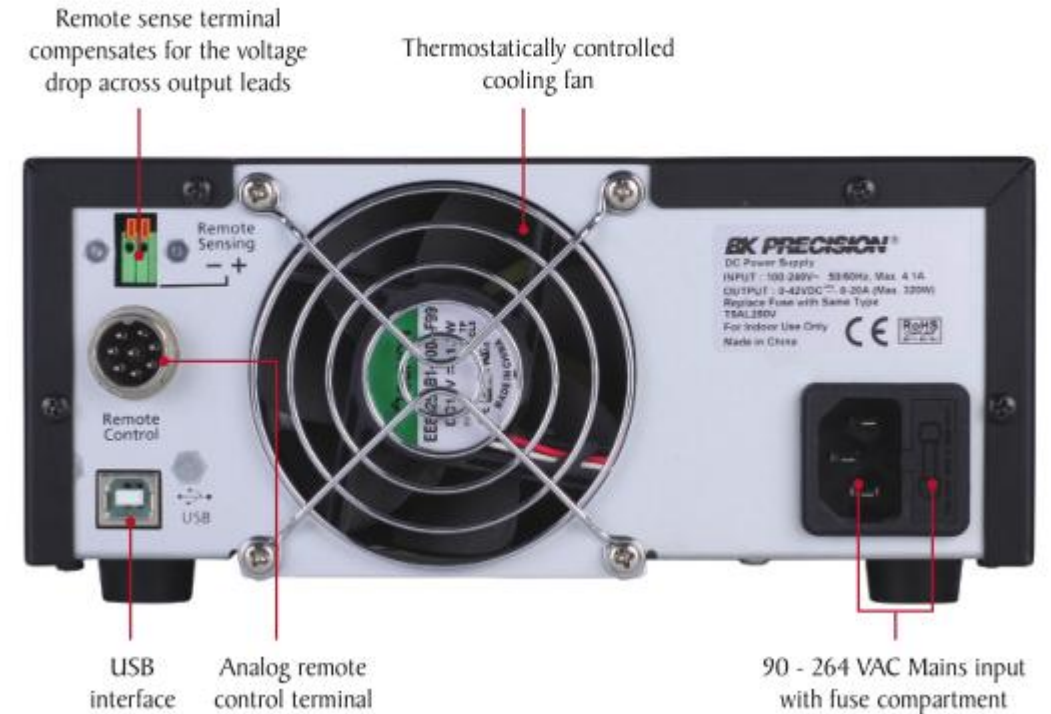


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Analog Remote Control Capability

Use the included 8-pin connector to wire up to an external variable DC voltage source or variable resistor to remotely control the power supply's output voltage and current or to turn the output on/off.

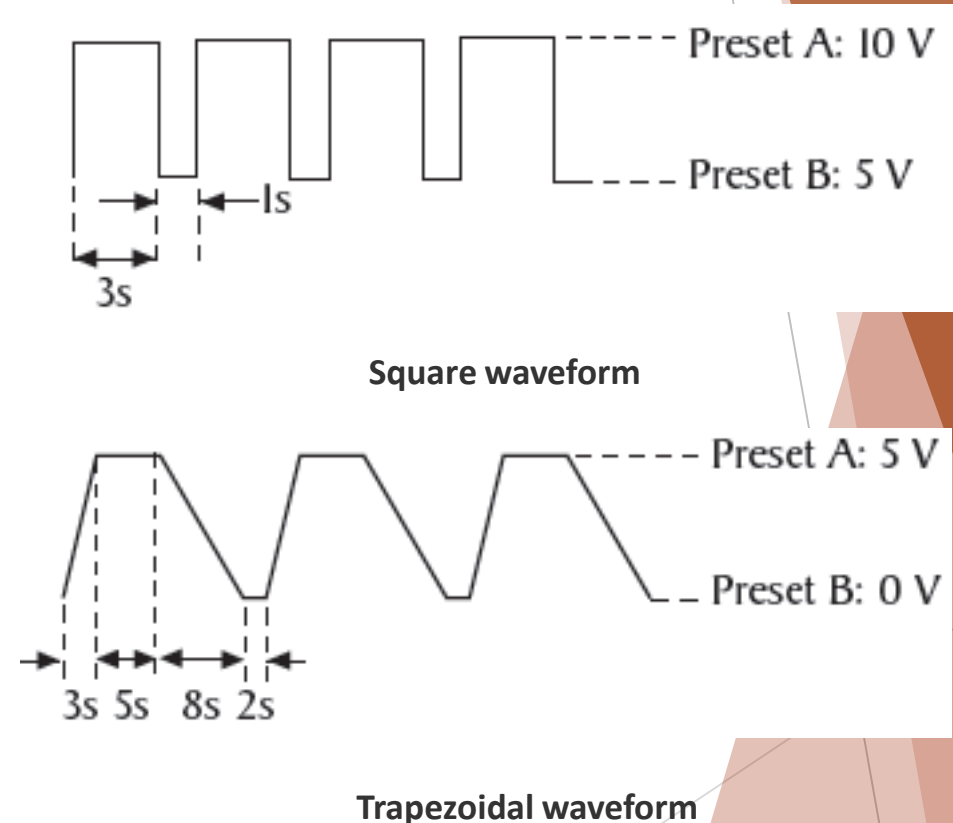
Rear Panel



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Custom Presets and Transient Mode Operation

Use the front panel preset buttons to quickly set and recall up to 3 different voltage and current settings, to program the power supply for transient mode operation and to output bi-level square, triangular or trapezoidal waveforms.



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PC Connectivity

Control your instrument through remote control PC software or use programming commands to communicate with your instrument.



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Price Information

BK9103 - 42V, 20A, 320W Multi-Range DC Power Supply → 495€

BK9104 - 84V, 10A, 320W Multi-Range DC Power Supply → 495€

Optional Accessories:

TL 30 - 30A Hook-up Cable Set → 27,25€

TLPS - Power Supply Test Leads Set → 47,69€

TLPWR1 - High Current Premium Test Lead Accessory → 97,85€



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Selection Guide for Multi-Range Power Supplies

| | B&K Precision | | | |
|-----------------------|-------------------------|--------------------------|--------|-------------------------|
| Model | 9111 | 9103 | 9104 | 9202 |
| List price | 386€ | 495€ | 495€ | 952€ |
| Cost per Watt | 2,14€ | 1,55€ | | 2,64€ |
| Display | Dual 4-digit LED | Dual 4-digit LED | | Dual 5-digit LED |
| Output Voltage | 0-60 V | 0-42 V | 0-84 V | 0-60 V |
| Output Current | 0-8 A | 0-20 A | 0-10 A | 0-15 A |
| Output Power | 180 W | 320 W | | 360 W |
| Front Panel Interface | Simple Keypad & Encoder | Simple Keypad & Encoders | | Full Keypad & Encoder |
| Remote Sense | -- | ✓ | | ✓ |
| Remote Interface | -- | USB | | USBTMC, RS-232, GPIB |
| Weight | 3,5 kg | 2,5 kg | | 7,7 kg |
| Dimensions | 88 x 175 x 282 mm | 200 x 90 x 250 mm | | 214,5 x 88,2 x 354,6 mm |
| Warranty | 1 Year | 2 Years | | 3 Years |

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