



# B0201 & B1201

## HIGH-PRECISION BENCHTOP SMU

### ▲ Product Description

The B0201/B1201 Precision Source/Measure Unit is a compact, cost-effective single/dual-channel benchtop Source/Measure Unit (SMU) capable of simultaneously sourcing and measuring both voltage and current. These capabilities make it an ideal choice for a wide range of IV measurement tasks that require high resolution and precision. It offers excellent performance at a moderate price, featuring wide voltage ( $\pm 200V$ ) and current sourcing capabilities, outstanding accuracy, a 6.5-digit display, and an excellent color LCD graphical user interface.

### ▲ Key Specifications

Number of Channels	B0201: 1, B1201: 2
Max. Voltage Output	$\pm 200V$
Max. Current Output	$\pm 1A$ (DC), $\pm 3A$ (Pulse)
Max. Output Power/ch	20W
Min. Measurement Resolution	1fA/100nV
Max. Sampling Rate	1MS/s
Communication Ports	Ethernet, USB3.0, Digital I/O
Display	5.0-inch TFT LCD (800x480)
Dimensions (W×H×D)	404.5 × 105.5 × 217.5 mm

### ▲ Benchtop SMU Series

Bench Model	Output Channels	Max. Voltage	Max. Current		Min. Resolution		Min. Pulse Width	Max. Sampling rate	Max. Output Power/ch	Connector
			(DC)	(Pulse)	(Voltage)	(Current)				
B2031	4	30V	500mA	500mA	60uV	100pA	100us	500K	3W	D-Sub25
B3031	8	30V	500mA	500mA	60uV	100pA	100us	500K	3W	D-Sub25
B4011S	24	10V	50mA	50mA	1uV	1pA	100us	1M	/	D-Sub62
B0201	1	200V	1A	3A	100nV	10fA	100us	1M	20W	Triaxial
B1201	2	200V	1A	3A	100nV	10fA	100us	1M	20W	Triaxial
B0061	1	60V	3A	10A	100nV	100fA	100us	1M	20W	Molex
B1061	2	60V	3A	10A	100nV	100fA	100us	1M	20W	Molex
B0062	1	200V	1A	3A	100nV	100fA	100us	1M	20W	Molex
B1203	2	200V	1A	3A	100nV	100fA	100us	1M	20W	Molex
B0202	1	200V	1A	3A	100nV	1fA	100us	1M	20W	Triaxial
B1202	2	200V	1A	3A	100nV	1fA	100us	1M	20W	Triaxial
B0203	1	200V	3A	10A	100nV	100fA	100us	1M	30W	Banana
B1200F	2	200V	3A	10A	100nV	100fA	100us	1M	30W	Banana