

GF6019

DC Standard Power Source/DC Calibrator

It is suitable for electric power corporation measuring and testing center, power company and power plants measuring department, national levels measuring and testing institutions, also suitable for railway, petroleum, chemical industry and large industrial and mining enterprises, etc.



Features

1. Calibrating DC voltmeter, ammeter, power meter and DC transducer
2. Automatic range, used for testing the digital meter; Manual range, used for testing the DC indicator
3. As DC current source, voltage source, DC power source; it can output the standard DC voltage, DC current, DC power
4. 5.6 inch TFT color LCD screen, English display, easy to operate
5. It is built-in indicating meter and DC standard resource verification procedures
6. A wide range, covering for instrument often dosage limit
7. Use software calibration, stable and reliable
8. With RS232 interface, and computer software component semi-automatic verification system, data management, inquiry and print the inspection certificate and the inspection records

Parameters

Electrical parameters

Accuracy class	0.05%, 0.02%
Power supply	Single phase AC 220V±10% or 110 V±10%, 50/60 Hz
DC Voltage output	
Range	100mV, 300mV, 1V, 3V, 10V, 100V, 300V, 600V, 1000V, (max 1000V)
Adjustment range	(0-120)% RG
Adjustment resolution	0.01% RG, 0.1% RG, 1% RG, 10% RG
Accuracy	0.012% RD + 0.008% RG(≥1V); 0.03% RD + 0.02% RG(< 1V)
Stability	0.005% RG / 1 min(≥1V); 0.01% RG / 1 min(< 1V)
Distortion degree	Better than 0.1% (not capacitive load)
Load Capacity	Max 25VA
Ripple contents	≤1%
Full load regulation rate	Less than 0.01% RG

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Electrical parameters - continued
DC Voltage output - continued

Full load regulation time	Less than 10mS
Temperature drift	8 PPM/°C
Long-term stability	60 PPM/year

DC Current output

Range	10uA, 30uA, 100uA, 300uA, 1mA, 3mA, 10 mA, 30mA, 100mA, 300mA, 1A, 3A, 10A, 30A (max 36A)
Adjustment range	(0-120)% RG
Adjustment resolution	0.01% RG, 0.1% RG, 1% RG, 10% RG
Accuracy	0.03% RD+0.02% RG
Stability	0.01% RG/1min
Distortion degree	Better than 0.1% (not capacitive load)
Load Capacity	48VA
Ripple contents	≤1%
Full load regulation rate	Less than 0.01% RG
Full load regulation time	Less than 10mS
Temperature drift	8 PPM/°C
Long-term stability	60 PPM/year

DC Power output

Accuracy	0.05%
Stability	0.01% RG / 1 min

Mechanical parameters

Dimensions (W×D×H) (mm)	440x360x160
Weight (kg)	12

Environmental conditions

Operating temperature	0°C to 40°C
Storage conditions	-30°C to 60°C
Relative humidity	≤ 85%

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