



PROVA 8000 Programmable DC Power Supply

Electrical Specifications: (23°C±5°C)

Programmed Voltage and Current:

(5 minutes after power on)

	Range	Resolution	Accuracy	Comments
Voltage V (C.V.)	0 – 40V	1mV	0.05% ± 9mV	Typical ± 5mV
Current A (C.C.)	0 – 5A	1mA	0.2% ± 9mA	Typical ± 5mA

C.V.: Constant Voltage

C.C.: Constant Current


Voltage/Current Read Back Accuracy:

	Range	Resolution	Accuracy
Voltage V (C.V.)	0.1 – 40V	1mV	0.1% ± 12mV
Current A (C.C.)	0.05 – 5A	1mA	0.2% ± 12mA

C.V.: Constant Voltage

C.C.: Constant Current

General Specifications:

Load Regulation:	1mV/A
Line Regulation:	No effect if line voltage falls within 90V to 130V for 115V nominal, 200V to 240V for 230V nominal.
Fixed 5V / 2A Accuracy:	5V \pm 0.25V
Fixed 3.3V / 3A Accuracy:	3.3V \pm 0.16V
 :	When 5V or 3.3V output is less than 1V (shorted), the corresponding symbol will be shown in LCD to warn the users.
Ripple and Noise (0 ~ 40V, 0 ~ 5A):	< 3mV _{rms} (C.V.), typical 1mV _{rms}
Ripple and Noise (0 ~ 40V, 0 ~ 5A):	< 3mA _{rms} (C.C.), typical 1mA _{rms}
Ripple and Noise (5V/2A, 3.3V/3A):	10mV _{rms} ~ 20mV _{rms} , 10mA _{rms} ~20mA _{rms}
Temperature Coefficient:	< 100ppm/°C
OCP detection:	Current A > 0.05A
C.V. or C.C. Detect and Display:	Current > 0.05A
Power Source:	115V (90V to 130V) or 230V (200V to 240V)
Accessories:	Power cord x 1 Users manual x 1
Dimensions:	310mm x 250mm x 133 mm 12.2" x 9.8" x 5.2"
Weight:	3.8kg (8.4lbs)

PROVA® **PROVA INSTRUMENTS INC.**

Add: 6F-2, #129, Lane 235, Pao-Chiao Road,
Shin-Tien, Taipei Hsien 231, Taiwan

Tel: 886-2-89191255

Fax: 886-2-89191489

E-mail: prova@ms3.hinet.net