

Specifications in brief

Voltage setting, in 4 digits	0 to 39.99 V
Resolution	10 mV (4000 steps)
Deviation	$<10^{-3}$ of full scale
Current setting, in 3 digits	0 to 39.9 A
Resolution	100 mA (400 steps)
Deviation	$<2 \times 10^{-3}$ of full scale
Constant-voltage source	
Deviation of output voltage	
with $\pm 10\%$ AC supply variation	$<10^{-4}$
between 0 and 45°C	$<2 \times 10^{-5}/^{\circ}\text{C}$
with 10 to 90% nominal current	$<10^{-4}$
Transient recovery time at 40 V,	
from 2 to 18 A or conversely	2.0 ms (to 150 mV)
from 2 to 4 A or conversely	0.2 ms (to 50 mV)
from 16 to 18 A or conversely	0.2 ms (to 50 mV)
Setting time	
from 0 to 39 V	without load with load
from 39 to 0.4 V	50 ms 60 ms
from 39 to 0.1 V	100 ms 30 ms
from 39 to 0.1 V	120 ms 40 ms
PARD, V_{rms}/V_p	2 mV/20 mV

Constant-current source	
Deviation of output current	
with $\pm 10\%$ AC supply variation	$<10^{-4}$

between 0 and 45°C	$<10^{-4}/^{\circ}\text{C}$
with 10 to 90% nominal current	$<10^{-4}$
PARD, I_{rms}	<40 mA

Remote control

Functions

Remote sensing

Panel meters

Voltmeter (2 ranges)

Ammeter (2 ranges)

Monitoring output

for current

for voltage

Overvoltage protection (OVP)

General data

AC supply, selectable

Dimensions (W x H x D); weight

IEC 625-1 (IEEE 488)

SH0, AH1, T0, TEO, L1, LEO, SRO,

RL1, PP1, DC1, DT1, CO

compensation for 0.5 V per lead

10/40 V $\pm 2.5\%$ of full scale

4/40 A $\pm 2.5\%$ of full scale

400 mV corresp. to 4 A, 2% of fs

400 mV corresp. to 40 A, 0.2% of fs

0 to 40 V, 0.2% of fs

4.5 to 50 V

95 to 135 V or 190 to 265 V,

47 to 63 Hz, 1600 VA

492 mm x 161 mm x 420 mm; 14 kg

Ordering information

Programmable Power Supply

NGPE 40/40

0192.0332.41