

Specifications in brief

Type	NGPV 8/10	NGPV 20/5	NGPV 20/10	NGPV 40/3	NGPV 40/5	NGPV 100/1	NGPV 100/2	NGPV 300/0.3	NGPV 300/0.6
A1	0 to 7.99 V	0 to 19.99 V		0 to 39.99		0 to 99.9 V		0 to 299.9 V	
A2	10 mV/800	10 mV/2000		10 mV/4000		100 mV/1000		100 mV/300	
A3	<10 ⁻³	<10 ⁻³		<10 ⁻³		<10 ⁻³		<10 ⁻³	
B1	0 to 9.99 A	0 to 4.99 A	0 to 9.99 A	0 to 2.99 A	0 to 4.99 A	0 to 0.999 A	0 to 1.99 A	0 to 0.299 A	0 to 0.599 A
B2	10 mA/1000	10 mA/500	10 mA/1000	10 mA/300	10 mA/500	1 mA/1000	10 mA/200	1 mA/300	1 mA/600
B3	<10 ⁻³	<2 x 10 ⁻³	<10 ⁻³	<3 x 10 ⁻³	<2 x 10 ⁻³	<10 ⁻³	<4 x 10 ⁻³	<3 x 10 ⁻³	<2 x 10 ⁻³
B11	0 to 999 mA	0 to 999 mA		0 to 999 mA		0 to 99.9 mA		0 to 99.9 mA	
B12	1 mA	1 mA		1 mA		0.1 mA		0.1 mA	
B13	<10 ⁻³	<10 ⁻³		<10 ⁻³		<2 x 10 ⁻³		<2 x 10 ⁻³	
C	<200 μV	<250 μV		<400 μV		<600 μV		<900 μV	
D	500 pF/220 μF	500 pF/100 μF	750 pF/220 μF	500 pF/47 μF	750 pF/100 μF	500 pF/22 μF	750 pF/47 μF	500 pF/10 μF	750 pF/22 μF
E	4.5 to 15 V	4.5 to 25 V		4.5 to 50 V		5 to 110 V		5 to 330 V	

Output voltage

A1: setting
A2: resolution (mV/steps)
A3: deviation (of fs)

Output current (A range)

B1: setting
B2: resolution (mA/steps)
B3: deviation (of fs)

Output current (mA range)

B11: setting
B12: resolution (1000 steps)
B13: deviation (of fs)

C: PARD, V_{rms}

D: output C (OFF/ON)

E: overvoltage protection (OVP)

Common data

Constant-voltage source

Deviation of output voltage
with ±10% AC supply variation <10⁻⁵
between 0 and 50°C <2 x 10⁻⁵/K
with 10 to 90% load <10⁻⁴
Transient recovery time
(10 to 90%/90 to 10%) <75 μs (to within ±10⁻³)

Constant-current source

Deviation of output current
with ±10% AC supply variation <10⁻⁵
between 0 and 50°C <5 x 10⁻⁵/K
with 10 to 90% load <10⁻⁴
Transient recovery time,
output C OFF/ON <50 μs/<2 ms
PARD, I_{rms}
in mA range 10 μA
in A range 100 μA/A

Remote control

Interface functions

Setting time
(0 to 100%/100 to 0%)

Remote sensing

Current monitoring output

mA range 100 mV ±1% for full scale
A range 10 mV ±1%/A

General data

Meter accuracy ±2.5% of fs
AC supply 110/120/220/240 V ±10%,
47 to 63 Hz

Order No.

IEC 625-1 (IEEE 488)
SHO, AH1, TO, TE0, L1, LEO, SRO,
RL1, PP1, DC1, DT1, CO

<2 ms (to within ±2 x 10⁻³)

compensation for 1 V per lead

100 mV ±1% for full scale
10 mV ±1%/A

±2.5% of fs
110/120/220/240 V ±10%,
47 to 63 Hz

192.0310...	192.0326...
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Power consumption approx. 250 VA
Dimensions (W x H x D) in mm 492 x 161 x 392
Weight 12 kg

approx. 500 VA	492 x 161 x 420	19 kg
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Ordering information

Type	NGPV 8/10	NGPV 20/5	NGPV 20/10	NGPV 40/3	NGPV 40/5	NGPV 100/1	NGPV 100/2	NGPV 300/0.3	NGPV 300/0.6
F1	192.0310.80	192.0310.20	192.0326.20	192.0310.40	192.0326.40	192.0310.10	192.0326.10	192.0310.30	192.0326.30
F2	192.0310.81	192.0310.21	192.0326.21	192.0310.41	192.0326.41	192.0310.11	192.0326.11	192.0310.31	192.0326.31

F1: system version

F2: system and lab version