

# 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 <sup>-3</sup>	<10 <sup>-3</sup>		<10 <sup>-3</sup>		<10 <sup>-3</sup>		<10 <sup>-3</sup>	
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 <sup>-3</sup>	<2 x 10 <sup>-3</sup>	<10 <sup>-3</sup>	<3 x 10 <sup>-3</sup>	<2 x 10 <sup>-3</sup>	<10 <sup>-3</sup>	<4 x 10 <sup>-3</sup>	<3 x 10 <sup>-3</sup>	<2 x 10 <sup>-3</sup>
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 <sup>-3</sup>	<10 <sup>-3</sup>		<10 <sup>-3</sup>		<2 x 10 <sup>-3</sup>		<2 x 10 <sup>-3</sup>	
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<sup>-5</sup>  
between 0 and 50°C <2 x 10<sup>-5</sup>/K  
with 10 to 90% load <10<sup>-4</sup>  
Transient recovery time  
(10 to 90%/90 to 10%) <75 μs (to within ±10<sup>-3</sup>)

### Constant-current source

Deviation of output current  
with ±10% AC supply variation <10<sup>-5</sup>  
between 0 and 50°C <5 x 10<sup>-5</sup>/K  
with 10 to 90% load <10<sup>-4</sup>  
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<sup>-3</sup>)

compensation for 1 V per lead

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

## 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