

## Specifications in brief

	<b>35/10</b>	<b>70/5</b>	<b>150/2.3</b>
<b>Constant-voltage source</b>			
Voltage setting	0 to 35.00 V	0 to 70.00 V	0 to 150.00 V
Resolution (mV/steps)	10/3500	20/3500	50/3000
Deviation			
from nominal value ( $\pm 1$ LSB)	<25 mV	<50 mV	<125 mV
with $\pm 10\%$ AC supply variation	< $\pm 0.35$ mV	< $\pm 0.7$ mV	< $\pm 1.5$ mV
with load variation (10 to 90% of fs)	< $\pm 1$ mV	< $\pm 2$ mV	< $\pm 3.5$ mV
Transient recovery time with load variation (10 to 90% of fs) to $\pm 0.15\%$	<75 $\mu$ s	<75 $\mu$ s	<75 $\mu$ s
Rise/fall time of output voltage (fast mode)	typ. <10 $\mu$ s	typ. <20 $\mu$ s	typ. <20 $\mu$ s
PARD, $V_{rms}$ ( $C_{ON}/C_{OFF}$ )	<0.25/<0.5 mV	<0.5/<1.0 mV	<1/<2 mV
Voltage measurement	0 to 40.95 V	0 to 81.9 V	0 to 204.75 V
Resolution (mV/steps)	10/4095	20/4095	50/4095
Deviation from measured value ( $\pm 2$ LSB)	< $\pm 35$ mV	< $\pm 70$ mV	< $\pm 150$ mV
<b>Constant-current source</b>			
Current setting	0 to 10.00 A	0 to 5.00 A	0 to 2.30 A
Resolution (mA/steps)	2.5/4000	1.25/4000	1/2300
Deviation from nominal value <sup>1)</sup>	< $\pm 10$ mA $\pm 1$ LSB	< $\pm 10$ mA $\pm 1$ LSB	< $\pm 5$ mA $\pm 1$ LSB
with $\pm 10\%$ AC supply variation	< $\pm 0.2$ mA	< $\pm 0.2$ mA	< $\pm 0.2$ mA
with load variation (10 to 90% of fs)	< $\pm 1$ mA	< $\pm 1$ mA	< $\pm 0.5$ mA
PARD, $I_{rms}$ ( $C_{ON}/C_{OFF}$ )	<0.2/<0.6 mA	<0.1/<0.3 mA	<0.05/0.15 mA
Current measurement in range 1	0 to 10.2375 A	0 to 5.1188 A	0 to 4.095 A
Resolution (mA/steps)	2.5 <sup>1)</sup> /4095	1.25 <sup>1)</sup> /4095	1/4095
Deviation from measured value ( $\pm 2$ LSB)	< $\pm 20$ mA	< $\pm 10$ mA	< $\pm 5$ mA
Current measurement in range 2	0 to 1.02375 A	0 to 511.88 mA	0 to 409.5 mA
Resolution ( $\mu$ A/steps)	250/4095	125 <sup>2)</sup> /4095	100/4095
Deviation from measured value ( $\pm 2$ LSB)	< $\pm 2$ mA	< $\pm 1$ mA	< $\pm 0.5$ mA
Current measurement in range 3 (option)		0 to 102.375 mA	
Resolution ( $\mu$ A/steps)	25 <sup>3)</sup> /4095	25 <sup>3)</sup> /4095	25 <sup>3)</sup> /4095
Deviation from measured value ( $\pm 2$ LSB)	< $\pm 30$ $\mu$ A <sup>3)</sup>	< $\pm 30$ $\mu$ A <sup>3)</sup>	< $\pm 30$ $\mu$ A <sup>3)</sup>
<b>Overvoltage protection</b>			
Operating range	4 to 99.95 V	4 to 99.95 V	4 to 200 V
Resolution	50 mV	50 mV	100 mV
Response accuracy	$\pm 4$ V	$\pm 4$ V	$\pm 4$ V
<b>General data</b>			
Refresh rate of display	3 updates per second		
Refresh rate of measured value	update on each query		
Setting time (incl. command processing)	typ. 4ms (NGPX mode)		
Outputs	floating, max. 250 V DC		
AC supply	100/120/220/240 V; 47 to 63 Hz; 1400 VA		
Dimensions (WxHxD); Weight	492 mm x 161 mm x 513 mm; 23 kg		
Programming	IEC625-2/IEEE488.2		

## Ordering information

<b>Programmable Power Supply</b>	NGPX35/10	0192.0610.31
	NGPX70/5	0192.0610.71
	NGPX150/2.3	0192.0610.11

### Options

Rear isolating and polarity reversal relay for	NGPX 35/10	0192.0610.32
	NGPX 70/5	0192.0610.72
	NGPX 150/2.3	0192.0610.12
Current monitor in current range 3 for	NGPX 35/10	0192.0610.33
	NGPX 70/5	0192.0610.73
	NGPX 150/2.3	0192.0610.13

1) Readout rounded to full mA

2) Readout rounded to full 100  $\mu$ A

3) Readout rounded to full 10  $\mu$ A