

Single Power Supplies



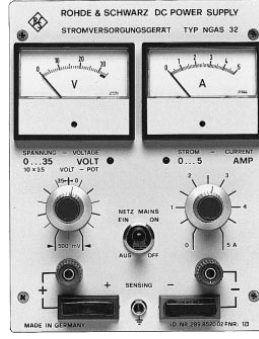
NGM (photo 24541)



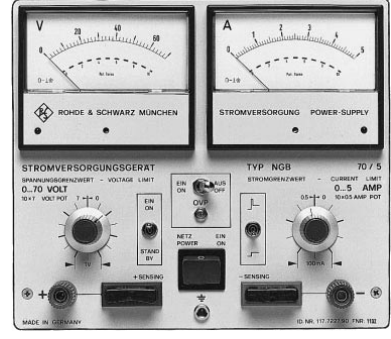
NGK (photo 24544)



NGAS (photo 29831-1)



NGB (photo 29832-1)



NGM, NGK: 30/70 W lab models

- Compact bench models
- High-resolution ten-turn potentiometer for voltage and current
- Single switchable meter on NGM, separate meters on NGK

The power supplies of the NGM series can be used either as constant-voltage or as constant-current sources, eg in the laboratory.

The power supplies of the NGK series provide twice the output current of the otherwise identical NGM models and are provided with remote-sensing sockets to compensate for voltage drops in the load leads.

NGA – 120 W compact models

- High-resolution ten-turn potentiometer for voltage
- Separate meters, remote-sensing sockets

The power supplies of the NGA series are constant-voltage sources with adjustable current limiting. They are mainly used for the supply of modules and systems in testshops and labs.

NGAS: 160 W compact model

- High surge capability, twice the rated current can be drawn for short periods
- Use as battery eliminators
- Separate meters for voltage and current

NGAS is suitable both for general lab applications and for the supply of loads with high surge or pulse-type current demands, eg test systems for car electronics or transceivers with switching power supplies.

Thanks to its compact design, NGAS is suitable for mobile use. It is insensitive to RF voltages radiated by other equipment or a nearby antenna.

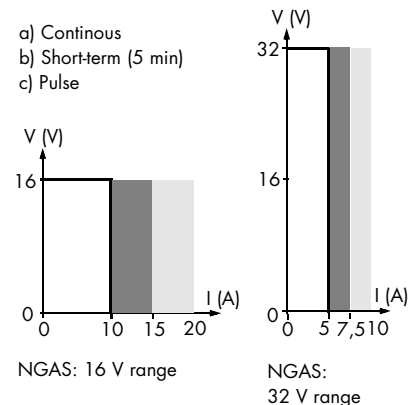
The current limiting threshold can be set to 1.5 times the rated current which may be drawn for up to 5 minutes. Due to the delayed response of current limiting, twice the rated current may be drawn for several milliseconds. The output voltage range can be set to 16 V or 32 V.

Current drain of NGAS as a function of selected output voltage

NGB: 350 W bench models

- High-resolution ten-turn potentiometer for voltage and current
- Surge current capability – several times the rated current may be drawn for short periods

Suitable for use as constant-voltage/constant-current sources with automatic regulation of voltage-to-current transition (LED indication) and as battery eliminator with switch-selected delay for current regulation (higher surge current), eg for incandescent lamps, blinkers, voltage converters. Other features: large panel meters for voltage and current, voltage compensation on leads up to 1 V, adjustable overvoltage protection.



Specifications in brief of Single Power Supplies

Type	Order No.	Setting ranges		Resolution		Max. deviation of output for				Z _{out} for		t _r for	Max. PARD		Remote sensing		Dimens. WxHxD Weight
		Voltage	Current	V	I	ΔV AC supply ±10%		Δtamb -10 to +40 xC		V	I	V	V _{rms}	I _{rms}	OV	protec.	
		V	A	%	%	V(%)	I(%)	V(%/xC)	I(%)	mΩ	kΩ	μs	mV	mA	S	O	
NGA	7.5 192.0010.02	0.01 to 7.5	0.2 to 15	0.02	0.5	0.01	0.2	0.01	0.1	0.25	0.25	75	0.15	-	S	-	129/172/ 330 (8)
	15 192.0010.03	0.01 to 15	0.1 to 8	0.02	0.5	0.01	0.2	0.01	0.1	0.375	1	75	0.3	-	S	-	
	35 192.0010.04	0.01 to 35	0.05 to 4	0.02	0.5	0.01	0.2	0.01	0.1	0.875	4.4	75	0.6	-	S	-	
	70 192.0010.05	0.01 to 70	0.025 to 2	0.01	0.5	0.01	0.2	0.01	0.1	3.5	17.5	75	1	-	S	-	
NGAS 32/10	192.0803.04	0.01 to 32 0.01 to 16	0.1 to 10 (15)	0.02	0.5	0.01	0.2	0.01	0.1	0.16	1	75	0.6	-	S	-	129/172/ 330 (8)
NGB	32 117.7210.90	0.01 to 35	0.02 to 10	0.02	0.02	0.001	0.002	0.01	0.01	0.35	17.5	50	0.2	10	S	O	190/172/ 330 (10)
	70 117.7227.90	0.01 to 70	0.01 to 5	0.02	0.02	0.001	0.002	0.01	0.01	1.4	70	50	0.5	5	S	O	
NGK	15 192.0003.02	0.01 to 15	0.01 to 4	0.02	0.02	0.001	0.002	0.01	0.01	0.75	37.5	50	0.2	0.1	S	O	190/172/ 278 (8)
	35 192.0003.03	0.01 to 35	0.01 to 2	0.01	0.02	0.001	0.002	0.01	0.01	1.75	175	50	0.4	0.05	S	O	
	70 192.0003.04	0.01 to 70	0.01 to 1	0.01	0.02	0.001	0.002	0.01	0.01	7	700	50	0.8	0.015	S	O	
	280 192.0003.05	0.01 to 280	0.002 to 0.2	0.01	0.02	0.001	0.002	0.01	0.01	140	700	50	3	0.005	S	-	
NGM	7.5 117.7110.12	0.01 to 7.5	0.01 to 4	0.02	0.02	0.001	0.002	0.01	0.01	0.75	10	50	0.2	0.1	-	O	95/172/ 278 (4)
	15 117.7110.13	0.01 to 15	0.01 to 2	0.02	0.02	0.001	0.002	0.01	0.01	1.5	40	50	0.2	0.05	-	O	
	35 117.7110.14	0.01 to 35	0.01 to 1	0.02	0.02	0.001	0.002	0.01	0.01	3.5	175	50	0.4	0.02	-	O	
	70 117.7110.15	0.01 to 70	0.01 to 0.5	0.01	0.02	0.001	0.002	0.01	0.01	14	700	50	0.8	0.001	-	O	
	280 117.7110.06	0.01 to 280	0.002 to 0.1	0.01	0.02	0.001	0.002	0.01	0.01	280	1400	50	3	0.002	-	-	