

Product designation

Power pack Nano A4

Article no. 31.172.XX

Product description

Microprocessor controlled power pack with 2 lamp base connections. Flash energy 2400J (Japan: 2000J). With asymmetrical output distribution (outlet 1 = 70 %, outlet 2 = 30 %). Control range: 5 f-stops in 1/10 f-stop intervals, respectively 6,7 f-stops by selecting the corresponding base connection. Internal discharge when power is reduced. Photocell and infrared receiver (can be switched off together). Dust and scratchproof keyboard and LED display. Modelling light with 6 different proportionality levels, adjustable to all broncolor power packs and monoblocs. Visual and audible ready display. Visual flash monitoring by the modelling light during charging. Ready buzzer which can be switched off. Can be switched to slow charging mode. Additional function: sequences (serial flashes). Compatible with all broncolor lamp bases.

Power supply voltage

Nano A4 is available in two different versions:

- a) as bi-voltage unit, of which the technical data are optimized for the power supply voltage 200 - 240V. If this version is operating with a power supply voltage of 100 - 120V, a doubling of the charging time results.
- b) as unit, which is exclusively designed for the power supply voltage of 100 - 120V.

Energy distribution

The lamp base outlet 1 allows the triggering of 100 % of the selected flash energy. The flash capacitors of the Nano A4 are divided into two groups in the ratio of 70 % to 30 %. If the unit is operated with only one lamp, this construction also has the advantage that up to a maximum of 30 % of the selected total energy can be triggered over the lamp base outlet 2 without need to discharge the superfluous energy over the outlet 1. In this way the colour temperature can be kept constant in a range of 3,7 f-stops within +/- 100 K.

Scope of delivery

Power pack with mains cable, operating instructions, dust protecting cover.

Technical Data

Flash energy	2400 J (Japan: 2000 J)
F-stop at distance of 2 m 100 ISO, reflector P70	64 7/10
Flash duration t 0.1 (t 0.5)	2400 J (100%): 1/150 s (1/400 s) 1700 J (70%): 1/180 s (1/500 s) 700 J (30%): 1/250 s (1/1000 s)
Charging time (for 100% of selected energy)	230 V / 50 Hz: 0,25 – 2,4s 120 V / 60 Hz: 0,25 – 2,9s 100 V / 50 Hz: 0,25 – 3,3 s Can be switched to slow charge mode With Nano A4 – Version 230 V (bi-voltage): Automatic adaptation to the respective mains (AC-line) voltage <u>Attention:</u> The above mentioned charging times for 100 – 120 V do not apply to the bi-voltage version
Ready display	Visual and audible (can be switched off), signals when 100 % of selected energy is reached
Lamp base outlet	2
Power distribution	Asymmetric
Controls	scratchproof keyboard and LED display
Control range of flash energy (Japan: ½ f-stop less)	4 f-stops in 1/10 f-stop intervals (1:16); switchable to 5 f-stops (1:32) 6,7 f-stops (1:107) by selecting the corresponding base connection
Modelling light	Halogen max. 2 x 650 W at 200 - 240 V Halogen max. 2 x 300 W at 100 - 120 V Proportional to flash energy as well as “full” and “low” settings. Proportionality adjustable to other broncolor power packs and monoblocs with their different output levels. The proportionality of the Nano refers to one lamp base on outlet 1.
Additional functions	Sequence (serial flashes) – from 1 to 8 flashes
Flash release	Manual release button, photocell and infrared receiver (can be switched off), sync cable, FCM 2, FCC, IRX2.
Number of sync sockets	1
Stabilized flash voltage	+/- 1,5%
Standards	EC standard 73/23, UL 122
Power requirements	200-240 V / 50-60 Hz: 10 A 110-120 V / 50-60 Hz: 16 A 100 V / 50 Hz: 16 A
Dimensions (L x W x H)	280 x 162,7 x 272 mm
Weight kg	6,5

Compatibility

Lamp bases	Picolite, Mobilite Pulso 2, F2, 4, F4, 8, Pulso-Twin, Primo, Ringflash, Pulso-Spot 4 Universal lamp base, with RT plug
Remote release	IRX2 FCM2, FCC
Battery operation	The 230V version of the Nano A4 can be operated from a car battery with a converter (without modelling light).

Special Features

- The 230V version of Nano A4 is a bi-voltage unit.
- High repetitive accuracy for digital photography.
- Control range of flash energy can be extended optionally to 6,7 f-stops.
- Option for releasing sequences (serial flashes).
- Visual and audible ready display.
- Visual and audible flash monitoring.
- Internal automatic discharge when reducing the flash energy .
- Nano A4 is protected by a robust metal housing with partial hard rubber components.
- Thermal protection.

Application

All types of flash photography. This unit is designed for professional photography as mains supplied studio power pack.