

### **Product designation**

**Power pack Nano 2**

Article no. 31.151.XX

### **Product description**

Microprocessor controlled power pack with 2 lamp base connections. Flash energy 1200J (Japan: 1000J), with symmetrical output distribution. Control range: 5 f-stops in 1/10 f-stop intervals, respectively 6 f-stops by selecting the corresponding base connection. Internal discharge when power setting 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 2 is available in two different versions:

- a) as bi-voltage unit, of which the technical data are optimised for the power supply voltage 200 - 240 V. 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 - 120 V.

### **Energy distribution**

The lamp base outlet 1 allows the triggering of 100 % of the selected flash energy. The flash capacitors of the Nano 2 are divided into two groups in the ratio of 50 % to 50 %. If the unit is operated with only one lamp, this construction also has the advantage that up to a maximum of 50 % 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 f-stops within +/- 100 K.

### **Scope of delivery**

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

### Technical Data

|  |   |
|--|---|
| Flash energy   | 1200 J (Japan: 1000 J)  |
| F-stop at distance of 2 m 100 ISO, reflector P70     | 45 7/10   |
| Flash duration t 0.1 (t 0.5)                         | 1200 J(100%): 1/200 s (1/650 s)<br>600 J (50%): 1/300 s (1/1050 s)  |
| Charging time (for 100% of selected energy)          | 230 V / 50 Hz: 0,25 – 1,4s<br>120 V / 60 Hz: 0,25 – 1,7s<br>100 V / 50 Hz: 0,25 – 1,8 s<br><br>Can be switched to slow charge mode<br><b>With Nano 2 – Version 230 V</b> (bi-voltage):<br>Automatic adaptation to the respective mains (AC-line) voltage<br><u>Attention:</u> The above mentioned charging times for<br>100 – 120 V do <b>not</b> 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                                   | Symmetric   |
| 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);<br>switchable to 5 f-stops (1:32)<br>6 f-stops (1:64) by selecting the corresponding base connection   |
| Modelling light                                      | Halogen max. 2 x 650 W at 200 - 240 V<br>Halogen max. 2 x 300 W at 100 - 120 V<br><br>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<br>110-120 V / 50-60 Hz: 16 A<br>100 V / 50 Hz: 16 A   |

## **Data sheet**

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|------------------------|--------------------|
| Dimensions (L x W x H) | 235 x 157 x 270 mm |
| Weight kg              | 5                  |

### **Compatibility**

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

- The 230V version of Nano 2 is a bi-voltage unit.
- High repetitive accuracy for digital photography.
- Control range of flash energy can be extended optionally to 6 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 2 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.