

### Product designation

**Power pack Grafit A2**

Article no. 31.166.XX

### Product description

Microprocessor controlled power pack (1600 J) with 3 lamp base connections, stabilized colour temperature on 2 main connections, variable output distribution (asymmetrical/symmetrical), 6.7 f-stops for main connections, 4 f-stops for reserve connection, in 1/10 or 1/3 f-stop intervals, display simultaneously in joules and f-stops, joules switchable to percentage, fully illuminated control panel and LCD-display, flash duration selectable on main connections, short-time exposure selectable, CTC (Colour Temperature Control) for uniform or deliberately variable colour temperature with broncolor FCC (Flash Colour Chronoscope), proportional modelling light over entire output range.

Additional functions: Flash sequences, triggering delay, selectable flash duration, slow charging, ping-pong release, stroboscopic effects with one or more power packs, choice of two infrared channels, etc., user-friendly menu functions, menu text available in multiple languages (German, English, French, Spanish, Japanese, Swedish, Indonesian).

### Scope of delivery

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

### Technical data

Flash energy	1600 J
F-stop at 2 m (6 1/2 ft.), 100 ISO, reflector P70	64 2/10
Flash duration t 0.1 (t 0.5)	1/150 - 1/6000 s (1/450 - 1/10000 s) Flash duration and energy automatically regulated for optimum colour temperature. Flash duration can be preselected.
Charging time (for 100% of selected energy)	Version 1 (230 V): 0.03 - 1.3s Version 2 (120 V): 0.03 - 1.6s Version 3 (100 V): 0.03 - 2.2s Can be switched to slow charging mode for low-amperage power outlets
Ready display	Visual and audible (can be switched off); signals when 100 % of selected energy is reached
Lamp base connections	2 main connections with flash cut-off and 1 reserve connection
Power output distribution	Symmetrical and variable asymmetrical
Controls	Illuminated silicone keyboard, resistant to dust and scratches. Wireless remote control with infrared Server e.
Control range	6 7/10 f-stops for main connections, 4 f-stops for reserve connection, in 1/10 or 1/3 f-stop intervals

## **Data sheet**

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	Display simultaneously in joules and f-stops, joules switchable to percentage
Colour temperature	CTC (Colour Temperature Control) for uniform or deliberately variable colour temperature with broncolor FCC (Flash Colour Chronoscope)
Modelling light	Halogen, max. 3 x 650 W at 200-240 V Halogen, max. 3 x 300 W at 100-120 V Proportional to flash energy and «full» and «low» settings. Proportionality adjustable to other broncolor power packs, compact units and their various output ranges
Additional functions	Flash sequences, triggering delay, selectable flash duration, slow charging, ping-pong release, stroboscopic effects with one or more power packs, a choice of two infrared channels, etc.
Flash release	User-friendly menu control, menu text available in multiple languages (German, English, French, etc.) Manual release button, sync cable, selectable photocell or wireless via selectable IR-receiver
No. of sync sockets	2
Stabilized flash voltage	+/- 0.5%
Standards	EC standard 73/23, UL 122
Power requirements	Version 1: 220-240 V / 50 Hz, switchable to 120 V / 60 Hz, current consumption 10 A, longer series with shorter charging times 16 A. Version 2: 110-120 V / 60 Hz, switchable to 230 V / 50 Hz, current consumption 15 A. Version 3: 100 V / 50 Hz, switchable to 230 V / 50 Hz, current consumption 15 A.
Dimensions	288 x 180 x 311.5 mm
Weight kg	8 kg

## **Compatibility**

Lamp bases	Pulso 2, F2, 4, F4, 8*, Pulso-Twin, Pulso G, Primo, Picolite, Mobilite Ringflash, Pulso-Spot 4 Universal lamp base, with RT plug  *Pulso lamp base 8 may only be used on the auxiliary outlet (lamp plug no. 3)
Remote control	Servor d, Servor e, Servor 3, Servor 2 (without additional functions)
Remote release	IRX 2, IRX, IRS-E IRQ, FCM2, FCC, IRS IRI, FM

### **Special features**

Automatic colour temperature control, called CTC.

The auxiliary functions may be used for example for:

- alternating release to reduce flash sequence times using two power packs (ping-pong mode)
- fast strobo sequences (can be used as quasi-continuous light to assess precisely shadow edges, etc.)

### **Application**

Grafit A power packs allow interesting shots which go beyond the characteristics and options of conventional units by combining flash sequences, delays, etc.. This opens a new range of creative activities which can be applied only with the Grafit A power packs.

The very short flash duration and charging time with reduced flash energy plus the extremely low heat build-up in spite of a very short flash duration make the Grafit A suitable for fashion photography where long flash sequences are applied.