Product designation

Power pack Grafit A2 RFS Article no. 31.169.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), control range 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-technology (Colour Temperature Control) for constant 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-operated functions, menu text available in multiple languages (German, English, French, Spanish, Japanese, Swedish, Indonesian).

Integrated RFS interface (Radio Frequency System) for remote control respectively flash release of the unit by radio via transmitter RFS as well as by means of a transceiver RFS via PC or Macintosh computer. When controlling via screen, 4 storage spaces for different lighting situations are at your disposal.

Scope of delivery

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

Transmitter RFS and Transceiver RFS must be ordered separately.

Technical Data

Flash energy	1600 J
F-stop at 2 m 100 ISO, reflector P70	64 2/10
Flash duration t 0.1 (t 0.5)	1/150 – 1/6000 s (1/450 – 1/10 000 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 – 1,3 s Version 2: (120 V) 0,03 – 1,6 s Version 3: (100 V) 0,03 – 2,2 s 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 Servor d.
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 Display simultaneously in joules and f-stops, joules switch-able to percentage.
Colour temperature	CTC-technology (Colour Temperature Control) for constant 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 levels.
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. User-friendly menu control, menu text available in multiple languages (German, English, French etc.)
Flash release	Manual release button, photocell (can be switched off) IR-receiver (can be switched off), sync cable, FCM 2, FCC, IRX2, IRQ, Transmitter RFS
Remote control	- With integrated 10 channel RFS-interface (Radio Frequency System) for the remote control of the unit by radio via transceiver RFS from PC or Macintosh computer. Each channel (studio) can control up to 15 units - With IR-manual remote control Servor d for the control of the main functions of the Grafit A
Operational distance outdoor	Up to 50 m
Operational distance in closed rooms	Up to 30 m
Range	Up to 300 m
No. of sync sockets	1 (instead of the second sync socket there is the radio antenna)
Stabilized flash voltage	+/- 0,5%

Standards	EC standard 73/23, UL 122 ERM EN 300 220-1,-3 EMC EN 301 489-1,-3 EN 60950 EN 50371 FCC Part 15 This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) This device must accept any interference received, including interference that may cause undesired operation. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Power requirements	Version 1: 220-240 V/ 50 Hz, switchable to 120 V / 60 Hz, current consumption 10 A, longer series with shorter charging time 16 A. Version 2: 110-120 V / 60 Hz, switchable of 230 V /50 Hz, current consumption 15 A.
Dimensions	288x180x311,5 mm
Weight	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	Transceiver RFS, Servor d, Servor e, Servor 3, Servor 2 (without additional functions)
Remote release	Transmitter RFS IRX2, IRX, IRS-E IRQ, FCM2, FCC, IRS IRI, FM

Special features

Built in RFS interface
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 up a new range of creative activities which can be applied only with the Grafit A power packs. 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.
For user of digital photo systems the power pack Grafit A2 RFS offers totally computer-controlled shooting.