

Product designation

Power pack Topas A4 RFS

Article no. 31.174.XX

Product description

Microprocessor controlled power pack with 2 lamp base connections. Automatic adaptation to the respective mains (AC-line) voltage. Flash energy 3200J (Japanese version 2400J). Symmetrical and variable individual (asymmetrical) output distribution. Control range: over 6,5 f-stops in 1/10 f-stop intervals; when switching over to asymmetrical mode 8,2 f-stops. Internal discharge when power setting is reduced. Photocell (can be switched off) and separate infrared receiver (can be switched off). Illuminated silicone keyboard and LED-display, resistant to dust and scratches. Modelling light with 5 proportionality levels, adjustable to all broncolor power packs and compact units. Ready display visual and audible. Dim-function of the modelling light during charging. Ready buzzer (can be switched off). Can be switched to slow charging mode. High repetitive precision for digital photography. Compatible with the entire broncolor lamp base range.

The power pack is equipped with a switching mechanism to approach a stabilization of the colour temperature (CTC light). Thereby in the symmetrical mode the colour temperature can be maintained steady over a range of approx. 3 f-stops within +/-150 K.

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

Additional functions: Sequences (flash series)

Individual energy distribution Topas A4

If the unit is set to individual energy distribution the flash energy is divided between the two lamp base outlets as follows:

Lamp base outlet 1 = 70%.

The control range of the flash energy extends between 2200 J down to 70 J.
(optional down to 25 J)

Lamp base outlet 2 = 30%

The control range of the flash energy extends between 1000 J down to 30 J.
(optional down to 10 J)

Data sheet

Individual energy distribution Topas A4 on mains (AC-line) voltage 100 V

Lamp base outlet 1 = 70%

The control range of the flash energy extends between 1700 J down to 55 J.
(optional down to 20 J)

Lamp base outlet 2 = 30%

The control range of the flash energy extends between 700 J down to 25 J.
(optional down to 9 J)

Scope of delivery

Power pack with integrated RFS interface, mains cable, operating instructions, dust cover

Transmitter RFS and Transceiver RFS can be ordered separately.

Technical data

Flash energy	3200 J	(Japanese 2400 J)
F-stop at 2 m 100 ISO, reflector P70	90	2/10
Flash duration t 0.1 (t 0.5)	3200 J:	1/150 s (1/600 s)
	2200 J:	1/200 s (1/800 s)
	1000 J:	1/300 s (1/1300 s)
Charging time (for 100% of selected energy)	200-240 V / 110-120 V:	0,4 - 3,4 s
	100 V:	0,5 - 4 s
Automatic adaptation to the respective mains (AC-line) voltage		
Can be switched to slow charging mode		
Ready display	Visual and audible (can be switched off), signals when 100% of selected energy is reached	
Lamp base outlets	2	
Power output distribution	Symmetrical and variable individual (asymmetrical)	
Controls	Illuminated silicone keyboard and LED-display, resistant to dust and scratches	
Control range	5 f-stops in 1/10 f-stop intervals (1:32); can be switched to 6.5 f-stops (1:64) By selecting the respective lamp base outlet in asymmetrical mode additional 1.7 f-stops	
Maximum asymmetry	6.7 f-stops outlet 1: level 9.5 / outlet 2: level 3.3	

Technical data (continued)

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 and «full» and «low» settings. Proportionality adjustable to other broncolor power packs and compact units and their various output ratings
Additional functions	Sequences (flash series)
Flash release	Manual release button, photocell may be switched off, IR receiver may be switched off, sync cable, FCM 2, FCC, IRX2, IRQ, RFS Transmitter, RFS Transceiver
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 10 units.
Operational distance outdoors	Up to 50 m
Operational distance in closed rooms	Up to 30 m
Range	Up to 300 m
Number of sync sockets	1 (instead of the second sync socket there is the radio antenna)
Dimensions (L x W x H)	280 x 162,7 x 322 mm
Weight kg	8
Stabilized flash voltage	+/- 1%
Power requirements	200-240 V / 50 Hz: 10 A 110-120 V / 50-60 Hz: 16 A 100 V / 50 Hz: 16 A
Standards	UL 122, EC-standards 73/23, 89/336 and 99/5 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.

Compatibility

Power packs	Grafit 2, 4, A2, A4, A2 plus, A4 plus Topas A2, A8, A8 Evolution Nano 2, Nano A4, Mobil Pulso 2, 4, A2, A4, 8 Opus 2, A2, 4, A4, A8 Primo, Primo A, Primo A fashion, Primo 4 Flashman, Flashman 2, 304, 404, 404 Server
Compact units	Minipuls D160 Minicom 40, 80 Minipuls C40, C80, C200, Minipuls 40, 80 Minicom 40, 80 Compuls 65, 95, 165
Lamp bases	Compatible with all broncolor lamp bases (as from 1972).
Remote control	Transmitter RFS, Transceiver RFS IRI, FM IRQ, FCM2, FCC, IRS IRX2, IRX, IRS-E
Battery operation	Topas A4 RFS can be operated, without modelling light, using a car battery converter.

Topas A PLUS

Because of the laws in some countries, the use of the broncolor radio system is not allowed. Therefore the power packs Topas A are also available in the version Topas A Plus (that means with cable remote control). Apart from the cable connection between the power pack and the computer, the application with RFS is almost identical.

Attention: *There is no camera transmitter available for Topas A Plus !*

Remote control	With integrated interface for the remote control of the unit by cable from PC or Macintosh computer. Each channel (Studio) can control up to 10 units.
Operational distance outdoors	Length of the connection cable from the computer to the unit: 5 m Length of the connection cable between the units: 2,5 m
Operational distance in closed rooms	See above
Range	See above
Number of sync sockets	1 (the second sync socket is configured as connection for the computer cable)

Application

All types of flash photography. This unit is designed as a mains-operated studio flash unit for professional photography.

For users of digital photo systems the power pack Topas A4 RFS offers totally computer-controlled shooting.