

Product designation**Power pack Topas A4**

Article no. 31.178.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. Newly connected lamp bases are activated automatically.

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.

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)

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 mains cable, operating instructions, dust cover

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 (1:90) By selecting of 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	
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
No. of sync sockets	2
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 standard 73/23

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 Servor
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	IRI, FM IRQ, FCM2, FCC, IRS IRX2, IRX, IRS-E
Battery operation	Topas A4 can be operated, without modelling light, using a car battery converter.

Modification of Topas A RFS

There is the possibility, to subsequently equip the Topas A power packs with a RFS interface. The modification can be done by the service station of your local broncolor agency in your country.

Application

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

Arguments

- Compatible with the complete broncolor range
- User-friendly controls (self-explanatory)
- Operating mode can be switched to symmetrical and asymmetrical
- Asymmetrical distribution of flash energy over the entire power range
- Two outlets individually adjustable
- Large control range (up to 8.2 f-stop levels)
- Maximum asymmetry of 6.7 f-stops
- Memory function (the entered data is retained should the unit be switched off or in case of a power cut).
- Internal automatic discharge when flash energy is reduced
- Warning signal if a flash tube fails to function
- Monitoring of the modelling light (audible signal when operating mode is changed from 110-120V to 200-240V)
- Robust housing
- Illuminated control display
- Proportional modelling light
- Built-in IR trigger
- Thermal protection
- Fan cooling for long flash sequences
- Automatic circuit breaker
- Light weight
- Usable with car battery converter 12V / 220V