

### Product designation

**Minicom 80**

Article no. 31.413.XX

### Product description

Monobloc controlled by microprocessor with interlocking Pulso bajonet, which permits a 360° rotation of the mounted light shapers. 600 J flash energy (100 V version: 500 J), control range over 5 f-stops in 1/1 or 1/10 f-stop increments, high repetitive accuracy for digital imaging, internal discharge in case of a reduction of power. Infrared receiver and photocell (can be switched off separately). Modelling light with 6 different proportionality levels compatible with all broncolor flash systems and the various power levels. Monitoring of the modelling light. Front panel with illuminated digital display, LED display as well as a dust and scratch-proof illuminated silicone keyboard. Flash monitoring either by dim or boost function of the modelling light during charging, as well as buzzer. Visual and audible ready display (buzzer can be switched off). Can be switched to slow charging mode. Fan cooling for long flash sequences, robust metal housing with integrated umbrella holder, big handle, thermal protection and overload circuit breaker. Integrated tilt head with locking lever. Stand adapter for 12 mm and 16 mm bolts. The bracket of the monobloc with the stand adapter can be installed upwards for suspended mounting.

Additional functions: - Sequences (serial flashes)  
- Sensibility of the photocell can be reduced

### Mains voltage

Minicom 80 is available in two different versions:

a) as bi-voltage unit, of which the technical data are optimised for the mains voltage 200 - 240 V. If this version is operating on mains voltage of 100 – 120 V, the following limitations result:

Mains voltage 120 V: Doubling of the charging time

Mains voltage 100 V: Doubling of the charging time as well as a reduction of the maximum flash energy to 500 J

b) as bi-voltage unit, of which the technical data are optimised for the mains voltage 120 V. If this version is operating on mains voltage 200 – 240 V or 100 V, the following limitations result:

Mains voltage 230 V: Doubling of the charging time

Mains voltage 100 V: Extension of charging time by 20% as well as a reduction of the maximum flash energy to 500 J

### Scope of delivery

Monobloc with protection cap for transport, mains cable and operating instructions.

Flash tube, modelling lamp and protecting glass must be ordered separately.

### Technical data

|   |  |
|---|--|
| Flash energy  | 600 J (100 V: 500 J)   |
| F-stop at a distance of 2 m 100 ISO, reflector P50 // P70 | 45 5/10 // 32 5/10 (100 V: 45 2/10 // 32 2/10)   |
| Flash duration t 0.1 (t 0.5)                              | 1/420 s (1/1500 s) with mains voltage 110 – 240 V<br>=> with mains voltage 100 V: about 20% longer |

|   |                            |
|---|----------------------------|
| Charging time (for 100% of selected energy) | 230 V / 50 Hz: 0,4 – 1,4 s |
|   | 120 V / 60 Hz: 0,4 – 1,9 s |
|   | 100 V / 50 Hz: 0,4 – 3,0 s |

Can be switched to slow charge mode

The technical data of the Minicom 80 are optimised for a certain mains voltage (200-240 V or 120 V). If the unit is operating on an alternative mains voltage, an extension of the charging time results. If the version is operating on mains voltage 100 V, the maximum flash energy is reduced to 500 J.

|  |   |
|--|---|
| Ready display  | Visual and audible (can be switched off), signals when 100% of selected energy is reached   |
| Controls   | Illuminated digital display, LED display as well as dust and scratch-proof, illuminated silicone keyboard   |
| Control range of flash energy (100 V: 1/3 f-stop less) | over 4 f-stops in 1/10 increments (1:16); can be switched to 5 f-stops (1:32)   |
| Modelling light  | Halogen max. 300 W<br>Proportional to flash energy as well as „full“ and “low” settings. Proportionality adjustable to all broncolor flash systems and the various output levels. |
| Additional functions                                   | - Sequences (serial flashes) up to 50 flashes<br>- Sensibility of the photocell can be reduced  |
| Flash release  | Manual release button, photocell and infrared receiver (can be switched off), sync cable, FCM 2, FCC, IRX2.   |
| Flash monitoring                                       | Visual: Dim or boost function of the modelling light during charging<br>Audible: buzzer   |
| Number of sync sockets                                 | 2   |
| Dimensions (L x W X H)                                 | 286 x 154 x 194 mm  |
| Weight kg  | 3,3   |
| Stabilized flash voltage                               | +/- 1,5%  |
| Cooling  | Fan   |
| Power requirements                                     | 200-240 V / 50-60 Hz: 6 A   |

## **Data sheet**

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|           |                            |
|-----------|----------------------------|
|           | 100-120 V / 50-60 Hz: 10 A |
| Standards | EC standard 73/23, UL 122  |

### **Compatibility**

|                   |  |
|-------------------|--|
| Light shaper      | all broncolor light shapers  |
| Remote release    | IRX2<br>FCM2, FCC  |
| Battery operation | The 230 V version of the Minicom 80 can be operated from a car battery with a converter (without modelling light). |

### **Accessories**

|   |                    |
|---|--------------------|
| Flash tube 5500 K for Minicom 80          | Art. no. 34.307.55 |
| Halogen modelling lamp 300 W / 120 V      | Art. no. 34.234.XX |
| Halogen modelling lamp 300 W / 230 V      | Art. no. 34.233.XX |
| Protecting glass, clear 5500 K            | Art. no. 34.336.55 |
| Protecting glass, clear 5900 K            | Art. no. 34.336.59 |
| Protecting glass, mat 5500 K              | Art. no. 34.337.55 |
| Protecting glass, mat 5900 K              | Art. no. 34.337.59 |
| Fuse 3.15 AF                              | Art. no. 37137.00  |
| Protection cap for transport, transparent | Art. no. Z6750.00  |
| Mains cable CH 200-240 V                  | Art. no. 39084.00  |
| Mains cable USA 100-120 V                 | Art. no. 39085.00  |
| Mains cable Europe 200-240 V              | Art. no. 39086.00  |
| 12 V battery converter                    | Art. no. 36.450.XX |
| Bracket for suspended mounting            | Art. no. 35.228.00 |

### **Special features**

- Minicom 80 can be operated, with certain restrictions, on all mains voltages
- Monitoring of the modelling light  
(audible signal when operating mode is changed from 110-120V to 200-240V)
- Option for releasing sequences (serial flashes)

**Attention:** For safety reasons, never operate the monobloc without protecting glass.

**Application**

All ranges of professional flash photography, especially for people and “on location” photography. Also suitable for digital imaging.