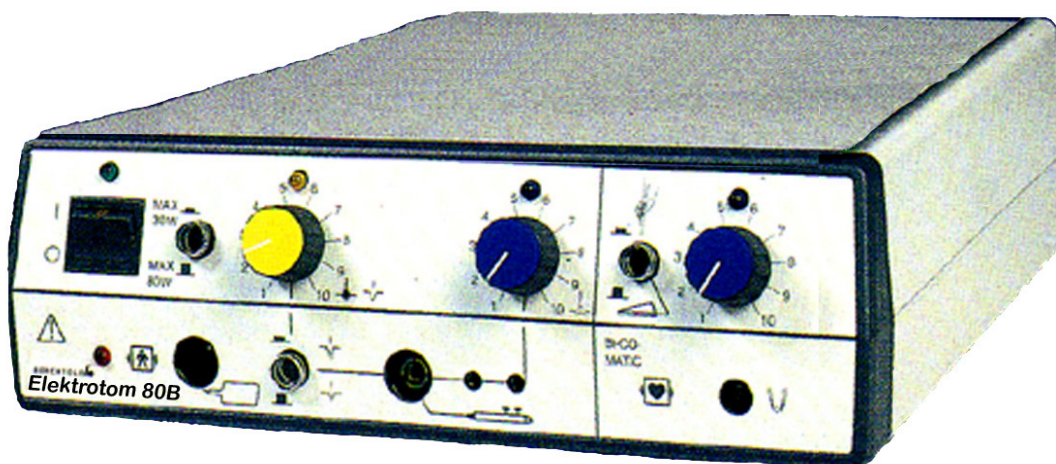
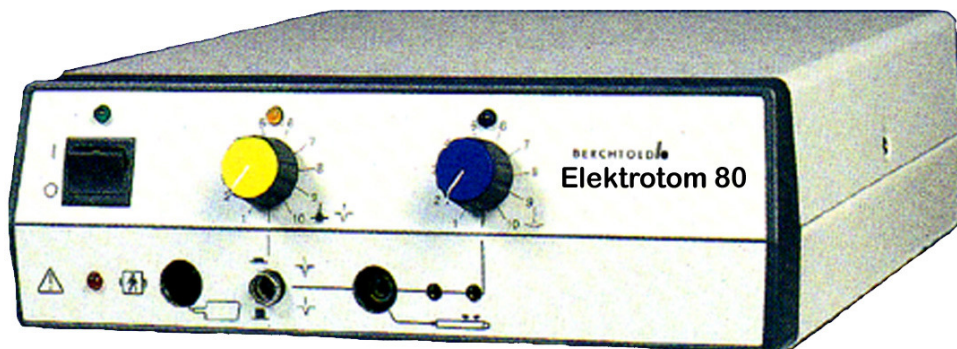


ELECTROTOM 80 / 80B

The ELECTROTOM 80 and ELECTROTOM 80B electrosurgical units from Berchtold are two high frequency surgical generators comparable to larger models in function and features. The high frequency output of 80W enables most electrosurgical techniques to be applied in private practices and clinical outpatient departments.



ELECTROTOM 80 / 80B

Standard accessories for operation with foot pedal switch, consisting of:

Initial REF	Succeeding model	Description
EZ280-30	90.280.31	Connection cord 3.0m monopolar for Erbe-T/Aes/Mar/Berchtold/Integra RF-unit Ø4mm protected male connector instrument: Ø4mm protected male connector. Both sides equipped with a protecting snap sheat of the male connector.
EZ295-45	90.287.95	Cable 5 m for reus. neutral electrode ESU: Mart/Bercht/Integra Neutral electrode: reusable Mar/Ber-Type "long insulation"
EZ332-03	on request	Neutral electrode 8x15cm with 4m cable and connector for Erbe, Martin, Berchtold electrosurgical units.
EZ370-50	90.370.50	Rubber strap, perforated, 50cm
EZ371-01	90.371.01	Button for rubber strap for 90.370.50, 90.371.00, EZ370-50 and EZ371-00
EZ510-05	90.114.10	Knife electrode sword shaped, straight, insulated, w/ hexagonal connection
EZ515-05	90.114.00	Spatula electrode insulated w/ hexagonal connection, straight
EZ520-05	90.114.12	Needle electrode straight, insulated, w/ hexagonal connection

ELECTROTOM 80 / 80B

Initial REF	Succeeding model	Description
EZ525-04	90.525.04	Needle electrode MILLER extra delicate (pack of 12 pcs), shaft Ø 0,8 mm, 50 mm, needle Ø 0,25 mm
EZ532-00	90.532.00	Adaptor to adapt electrodes with a diameter of 0.8mm to RF-handles for standard 4.0mm electrodes.
EZ540-05	90.114.97	Wire loop electrode Ø 6mm, insulated, straight, w/ hexagonal connection
EZ542-05	90.114.91	Wire loop electrode Ø10mm, insulated, straight, w/ hexagonal connection
EZ560-05	90.114.19	Ball electrode Ø 2 mm, straight, insulated, w/ hexagonal connection
EZ562-05	90.114.20	Ball electrode Ø 4mm, straight, insulated, w/ hexagonal connection
EZ840-45	90.812.45	Foot-switch, double pedal, metal, operating room ex-proof, yellow and blue pedal with 4,5m cord for use with Electrotom 610, 618, 620, 630, 640, 80, 80B and Beamer (with small 4-pole plug)

ELECTROTOM 80 / 80B

Standard accessories required for operation with remote manual control, consisting of:

Initial REF	Succeeding model	Description
EZ214-03	90.190.82	Electro surgical handle without cable w/ 2 switches for 4 mm electrodes to fit Martin/Integra/Aesculap Esu
EZ285-45	90.285.50	Cable 5m for electrode handle, ESU: Mar Aes/Ber and handle 90.190.81, 90.190.82, 90.190.92, 90.190.93 and 90.191.82
EZ295-45	90.287.95	Cable 5 m for reus. neutral electrode ESU: Mart/Bercht/Integra Neutral electrode: reusable Mar/Ber-Type "long insulation"
EZ332-03	on request	Neutral electrode 8x15cm with 4m cable and connector for Erbe, Martin, Berchtold electrosurgical units.
EZ370-50	90.370.50	Rubber strap, perforated, 50cm
EZ371-01	90.371.01	Button for rubber strap for 90.370.50, 90.371.00, EZ370-50 and EZ371-00
EZ515-05	90.114.00	Spatula electrode insulated w/ hexagonal connection, straight
EZ520-05	90.114.12	Needle electrode straight, insulated, w/ hexagonal connection
EZ540-05	90.114.97	Wire loop electrode Ø 6mm, insulated, straight, w/ hexagonal connection
EZ560-05	90.114.19	Ball electrode Ø 2 mm, straight, insulated, w/ hexagonal connection

ELECTROTOM 80 / 80B

The following is needed for bipolar operation, too:

Initial REF	Succeeding model	Description
EZ811-20	90.811.20	Foot switch, single pedal, operating room-ex-proof with black pedal, 3,5m cable, for use with Electrotom 70D, 70DSE, 200, 390/400, 505, 530, 541 and 640 (with a small 3-pole plug)
EZ287-45	90.287.50	Bipolar cable, 5m MAR/BERCH for bipolar coag. forceps or bipolar MIS instruments to Martin/ Berchtold RF-units.
EZ961-17	90.824.18	Bipol-Forceps, 18 cm, 1,0 mm tip, tip straight, blunt, insulated

ELECTROTOM 80 / 80B

Further accessories are described in the different Bühler Instrumente catalogues. These catalogues show a greater selection of items together with specific instruments for use in more specialized surgical disciplines.

For questions concerning safety-related control or repair service please contact us directly.

ELECTROTOM 80 / 80B

Information about:

ELECTROTOM 80B from Berchtold and ELECTROTOM 80 from Berchtold

For maxillofacial surgeon, ENT specialist, gynecologist, dermatologist, dentist etc.

The ELECTROTOM 80 and ELECTROTOM 80B electrosurgical units from Berchtold are two high frequency surgical generators comparable to larger models in function and features. The high frequency output of 80W enables most electrosurgical techniques to be applied in private practices and clinical outpatient departments.

Convenient operation

- Several currents of different characteristics guarantee the generator's universal application. In addition to unmodulated current for smooth incision and contact coagulation, a weakly modulated current is available for cutting with formation of scab, along with strongly modulated current and high crest factor for spray coagulation or for coagulation with cutting electrodes.
- Clearly arranged control elements, signal lamps and acoustic signals of different radiofrequencies facilitate adjustment and operation of the unit.
- The operating surgeon has the option of activating the various types of current with either the double foot pedal switch or remote manual control via the double finger switch located on the electrode handle.
- By pressing a push button switch equipped with indicator lamp, the unit can be switched from modulated to unmodulated current.
- A rotary potentiometer provides continuously adjustable intensity control, which can be easily set and reproduced when needed.

ELECTROTOM 80 / 80B

Unit safety

- The neutral electrode is connected via a safety circuit.
- Visual and acoustic signals indicate each power output.
- When switching to undulatory current, a compensating circuit prevents uncontrolled modification of intensity control. A unique range of features distinguishes this unit as the top model of its class.
- With bipolar coagulation as a further possibility of application, the operating surgeon is able to work within a precisely defined region. The special of the bipolar instrument prevents unintended spreading to neighboring areas of tissue or nerve tracts.
- Options for switching on current for bipolar coagulation are offered by the Berchtold BI-CO-MATIC manual or single foot pedal switch.
- Clearly designated connections for cables and foot pedal switches prevent possible operating errors.
- The MICRO-MACRO circuit enables highly accurate power settings by providing power ranges with max. 30W or max. 80W output.
- All control elements and safety features listed for the Electrotom 80 are also provided in the same form for the Electrotom 80B.

Berchtold BI-CO-MATIC

When both tips of the forceps are in contact with tissue, the high frequency generator is activated by the Berchtold BI-CO-MATIC circuit. After a specified delay period, current slowly increases, thus compensating the decreasing tissue resistance in the beginning stages of coagulation. In this manner, excessive current flow and the resulting "stick effect" of the electrodes is eliminated to a great degree.