

ELECTROTOM 70D

The ELECTROTOM 70D from Berchtold is a high-frequency surgical device for paradontal treatment in clinics and physician's offices.



ELECTROTOM 70D

Standard accessories for mono-terminal cutting and coagulation for operation by finger switch, consisting of:

Initial REF	Succeeding model	Description
EZ213-02	90.213.02	Electrosurgical pencil w/ finger switch for Electrotom 70D / DSE for use with dental electrodes Ø 1,6mm, w/o cable
EZ282-20	90.282.20	Cable 2m f. electrode handle, ESU: MAR/BER Electrotom 70D / 70 DSE, handle: EZ213-02, 90.213.02
EZ444-08	90.599.02	Electrode container for 8 dental electrodes with Ø 1,6mm
EZ461-01	90.010.01*E	electrode needle mini fig. 1, single unit
EZ461-02	90.010.02*E	electrode needle mini fig. 2, single unit
EZ461-12	90.010.12*E	electrode loop mini fig. 12, single unit
EZ461-14	90.010.14*E	electrode loop mini fig. 14, single unit
EZ461-15	90.010.15*E	electrode loop mini fig. 15, single unit
EZ461-31	90.010.31*E	electrode coagul. mini fig. 31, single unit
EZ461-34	90.010.34*E	electrode coagul. mini fig. 34, single unit
EZ533-00	90.533.00	Adapter Ø1,6 mm for needles Needles with shaft of 0,8mm

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Standard accessories for mono-terminal cutting and coagulation for operation with foot switch, consisting of:

Initial REF	Succeeding model	Description
EZ213-07	90.213.07	Electro surgical dental handle for Electrotom 70D /DSE without switch for electrodes with shaft Ø 1,6mm, cable 2 m.
EZ444-08	90.599.02	Electrode container for 8 dental electrodes with Ø 1,6mm
EZ461-01	90.010.01*E	electrode needle mini fig. 1, single unit
EZ461-02	90.010.02*E	electrode needle mini fig. 2, single unit
EZ461-12	90.010.12*E	electrode loop mini fig. 12, single unit
EZ461-14	90.010.14*E	electrode loop mini fig. 14, single unit
EZ461-15	90.010.15*E	electrode loop mini fig. 15, single unit
EZ461-31	90.010.31*E	electrode coagul. mini fig. 31, single unit
EZ461-34	90.010.34*E	electrode coagul. mini fig. 34, single unit
EZ533-00	90.533.00	Adapter Ø1,6 mm for needles Needles with shaft of 0,8mm
EZ811-10	90.811.10	Foot switch, single pedal with 3m cable, with black pedal for use with Electrotom 70D, 70DSE and 505 (with a small 3-pole plug)

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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.

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Information about:

ELECTROTOM 70D from Berchtold

For dentist and maxillofacial surgeon.

The ELECTROTOM 70D from Berchtold is a high-frequency surgical device for paradontal treatment in clinics and physician's offices.

The ELECTROTOM 70 D electro-surgery device from Berchtold has been specially developed for paradontal treatment in dental clinics and specialist practices.

Safe operation

- The clear arrangement of all operating elements on the front in the operator's field of view and clear marking with functional symbols ensure very simple handling.
- The high frequency current can be activated either by means of a finger switch from an electrode handle or by means of a single-pedal foot switch.
- A handle developed specially for the dental sector with a well-placed finger switch considerably facilitates operation in the area of the mouth.
- The power is set using a potentiometer which allows fine control of HF power.
- The BERCHTOLD automatic power control provides the correct output for different cutting depths and electrodes.
- The special power curve of the Electrotom 70D from Berchtold allows monoterminal operation, i.e. a neutral electrode is not necessary.

Maximum equipment safety

- The neutral electrode connection is connected with the earth potential via a capacitor on the high-frequency side, so that the device can be used mono-terminally (without a neutral electrode) in a dental patient treatment unit.
- Optical and acoustic signals provide the doctor with information whilst HF power is being used.

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Particular uses

- Gingivectomies
- Gingivoplastic surgery
- Exposure of teeth and roots
- Sulcus extension
- Open curettage
- Tumour resection
- Removal of hyperplasias
- Haemostasis of oral vessels and capillaries

The BERCHTOLD automatic power control

Any treatment on the gums requires accurate control of the electrical heat capacity applied. A clean, unscabbed cut provides the best healing prospects. The BERCHTOLD automatic power control compensates for varying cut depths and different types of electrodes, thus providing the required cutting quality.

If the automatic power control is activated, this is indicated by an illuminated switch and the manual intensity control becomes ineffective.

Unmodulated high frequency current

A high frequency current without any modulation provides optimal conditions for a clean electrotomy. The modulation-free, sinusoidal high frequency current minimises spark intensity at the cutting electrode and ensures burn-free incisions.