SAPPHIRE INFRARED-LIGHT COAGULATOR

Sapphire Infrared-light Coagulator LC 250 D

Basic unit with mains cable
- 24 Volt / 250 Watt output
- digital timer with light beam
- both timer and continuous operation
- 3 programmable pre-selected time settings
- coagulation duration adjustable via +/−-buttons

Order-No. LC250D.01

Probe cable
- pluggable at both ends
- length 3 m, autoclavable
- suitable for basic unit LC250D.01

Order-No. LC250D.02

Foot switch for basic unit
- according to IP 68

Order-No. LC250D.03
Standard probes for the LC 250 D

All standard probes are autoclavable and are activated via the foot switch.

**Standard probe flat straight**
- 24 Volt / 250 Watt electrical power
- contact head Ø 16 mm
- luminous power app. 40 W/cm²

Order-No. LC250D.S13

**Standard probe wedge straight**
- especially suitable for use in ruptures
- 24 Volt / 250 Watt electrical power
- contact head Ø 16 mm
- length of wedge app. 16 mm
- luminous power app. 25 W/cm²

Order-No. LC250D.S14

**Standard probe large, flat straight**
- for coagulation of large areas
- 24 Volt / 250 Watt electrical power
- contact head Ø 25 mm
- luminous power app. 25 W/cm²

Order-No. LC250D.S16

**Standard probe flat right angle**
- for difficultly accessible areas
- 24 Volt / 250 Watt electrical power
- contact head Ø 16 mm
- luminous power app. 40 W/cm²

Order-No. LC250D.S20

**Standard probe wedge right angle**
- for difficultly accessible areas
- especially for use in ruptures
- 24 Volt / 250 Watt electrical power
- contact head Ø 16 mm
- luminous power app. 25 W/cm²

Order-No. LC250D.S23

Wedge parallel to longitudinal axis
alternative:
Wedge perpendicular to longitudinal axis (not pictured)

Order-No. LC250D.S21

**Standard probe flat 45°**
- universal contact head
- 24 Volt / 250 Watt electrical power
- contact head Ø 16 mm
- luminous power app. 40 W/cm²

Order-No. LC250D.S30

**Standard probe wedge 45°**
- universal contact head
- especially for use in ruptures
- 24 Volt / 250 Watt electrical power
- contact head Ø 16 mm
- luminous power app. 25 W/cm²

Order-No. LC250D.S33

Wedge parallel to longitudinal axis
alternative:
Wedge perpendicular to longitudinal axis (not pictured)

Order-No. LC250D.S31
Accessories for the LC 250 D

Non-adhesive caps
- for all flat standard-probes with Ø 16 mm
  Order-No. LCD.201

- for the flat standard probe with Ø 25 mm
  Order-No. LCD.202

- for all wedge-shaped standard probes
  Order-No. LCD.203

Spare parts

1-Probe pole  Best.-Nr. LC250D.10

2-Contact head
  flat straight Ø 16 mm
  Order-No. LC250D.A13

3-Contact head
  wedge straight Ø 16 mm
  Order-No. LC250D.A14

4-Contact head large
  flat straight Ø 25 mm
  Order-No. LC250D.A16

5-Contact head
  flat right-angle Ø 16 mm
  Order-No. LC250D.A20

6-Contact head
  wedge right-angle parallel Ø 16 mm
  Order-No. LC250D.A23

7-Contact head
  wedge right-angle perpendicular Ø 16 mm
  Order-No. LC250D.A21

8-Contact head
  flat 45° Ø 16 mm
  Order-No. LC250D.A30

9-Contact head
  wedge 45° parallel Ø 16 mm
  Order-No. LC250D.A33

10-Contact head
  wedge 45° perpendicular Ø 16 mm
  Order-No. LC250D.A31
Accessories for the LC 250 D

Probe adapter
- for all endoscopic probes and screw-in probes (pages 6-8)
- 24 Volt / 250 Watt electrical power
- connected to the power supply via the probe cable
- with manual switch
- Ω/Ω-buttons on the back of the adapter for coagulation duration adjustment
- autoclavable

Order-No. LC250D.40

Spare halogen light-bulb
- for Light Coagulators LC 250 D (suitable for standard probes as well as for probe adapters)
- 24 Volt / 250 Watt electrical power

Order-No. LCD.301

Bulb extractor
- for all kinds of probes including probe adapters

Order-No. LCD.302

Gasket for probe adapters
- suitable for LC250D.40

Order-No. LCD.303

Gasket for standard probes

Order-No. LCD.304

Replacement support
- to change gaskets of standard probes

Order-No. LCD.305
Sapphire Infrared-light Coagulator LC 150 D

**Basic unit with mains cable**
- 15 Volt / 150 Watt output
- with digital display

Order-No. LC150D.01

**Probe adapter**
- for all endoscopic and other screw-in probes (pages 6-8)
- 15 Volt / 150 Watt electrical power
- probe cable is fixed to the probe adapter
- suitable for basic unit LC150D.01
- not autoclavable
- with manual switch and ∅/∅-buttons on the back for coagulation duration adjustment

Order-No. LC150D.02

**Spare halogen light-bulb**
- for Light Coagulators LC150D.02
- 15 Volt / 150 Watt electrical power

Order-No. LCD.306

**Bulb extractor**

Order-No. LCD.302

Upon request, the LC 150 D is also available in an autoclavable version.
Endoscopic Probes for both the LC 250 D and LC 150 D

suitable for any kind of probe adapter

Endoscopic probes for laparoscopy
• suitable for use with 10 mm trocars
• working length app. 340 mm, Ø 10 mm
• luminous power app. 40 W/cm²
• autoclavable

Version 1:
Probe with radiation 0°
Order-No. LCD.401

Version 2:
Probe with radiation 30°
Order-No. LCD.402

Endoscopic probes for rigid endoscopy
• working length app. 340 mm, Ø 5 mm
• luminous power app. 50 W/cm²
• autoclavable

Version 1:
Probe with radiation 0°
Order-No. LCD.403

Version 2:
Probe with radiation 30°
Order-No. LCD.404

Other lengths and diameters available as special orders upon request (e.g. for biopsies).
Screw-in probes for both the LC 250 D and LC 150 D

all following probes are suitable for any probe adapter

**Probes with contact areas of Ø 7 mm**
for use mainly in proctology;
all probes are available as autoclavable and non-autoclavable versions

for use in the obliteration of hemorrhoids
- working length app. 110 mm
- luminous power app. 40 W/cm²

Version 1:
Probe, autoclavable, angled app. 30°
Order-No. LCD.520

Version 2:
Probe, not autoclavable, angled app. 30°
Order-No. LCD.521

for use in general proctologic applications
- working length app. 220 mm
- luminous power app. 40 W/cm²

Version 1:
Probe, autoclavable, angled app. 20°
Order-No. LCD.522

Version 2:
Probe, not autoclavable, angled app. 20°
Order-No. LCD.523

for hemostasis in polypectomy
- working length app. 350 mm
- luminous power app. 40 W/cm²

Version 1: Probe, autoclavable, angled app. 10°
Order-No. LCD.524

Version 2:
Probe, not autoclavable, angled app. 10°
Order-No. LCD.525

**Contact cap, alternatively**
- flat, Ø 7 mm, contact surface made of Teflon FEP
  Order-No. LCD.620
- flat, Ø 7 mm -contact surface made of sapphire crystal
  Order-No. LCD.621

**Gasket or contact caps Ø 7 mm**
Order-No. LCD.629
Screw-in probes for both the LC 250 D and LC 150 D

Probes with contact areas of Ø 11 mm
- for application in gynecology and pediatric surgery
- working length app. 150 mm
- luminous power app. 40 W/cm²
- autoclavable and non-autoclavable versions available

Version 1:
Probe, autoclavable, angled 0°
Order-No. LCD.510

Version 2:
Probe, autoclavable, angled app. 20°
Order-No. LCD.512

Version 3:
Probe, not autoclavable, angled 0°
Order-No. LCD.511

Version 4:
Probe, not autoclavable, angled app. 20°
Order-No. LCD.513

Contact caps, alternatively:
- flat, Ø 11 mm, contact surface made of Teflon FEP
  Order-No. LCD.610
- flat, Ø 11 mm, contact surface made of sapphire crystal
  Order-No. LCD.611

Gasket for contact caps Ø 11 mm
Order-No. LCD.619

The Light Coagulators LC 250 D and LC 150 D are CE-conform according to MDD/93/42/EEC. Developments and technical modifications are reserved.