

F.O. LED Griffe | F.O. LED handles

LADEGRIFFE | CHARGING HANDLES

1. Reikalavimai laringoskopo konstrukcijai:



3.1. Universali, tinkama naudoti su įkraunamu ličio jonų akumuliatoriumi

Mit LED-Beleuchtung

- alle Griffe sind kompatibel nach DIN ISO 7376
- Lampenhülse aus Metall, Vorteil: schnellere Entnahme der LED-Lampe für Sterilisationsvorgang
- leichtes Eigengewicht, da keine Kapsel und keine Innenhülse
- Alle KaWe F.O. LED Griffe 3,5 V (klein + mittel) können nur mit Ladebatterie in Verbindung mit KaWe MedCharge 4000 verwendet werden

With LED illumination

- all handles are compatible according to DIN ISO 7376
- metal light sockets, advantage: LED light can be removed very quickly to be sterilized
- light-weight (no casing or interior socket)
- all KaWe 3.5 V (small + medium) fibre optic LED handles can be used only with rechargeable battery and charged with the KaWe MedCharge 4000

3.2 Korpusas pagamintas iš nerūdijančio plieno ir padengtas slydimui atsparia medžiaga arba grublėtu paviršiumi, saugančiu nuo slydimo;

2.1. 1.Rankena su akumuliatoriumi ir šviesos šaltiniu – 2 vnt.;

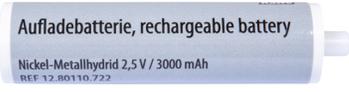
6. Reikalavimai šviesos šaltiniui

LED-Lampe LED bulb	 2,5V	 2,5 V	 3,5 V
	ca. approx.	ca. approx.	ca. approx.
Beleuchtungsstärke, Abstand 35 mm illuminance, distance 35 mm	3.600 Lux	9.000 Lux	18.000 Lux
Farbtemperatur colour temperature	5.500 K	5.500 K	6.500 K
Lebensdauer Lampe lifetime of bulb	50.000 h	50.000 h	50.000 h
Lichtstrom luminous flux	30 lm	50 lm	70 lm
Garantie guarantee	5 Jahre years	5 Jahre years	5 Jahre years



8000 Einzelfasern für optimale Lichttransmission
8000 single fibres for optimal light emission

Ladebatterien für KaWe MedCharge 4000 | Rechargeable batteries for the KaWe MedCharge 4000

	für Metall-Ladegriff for metal charging handle	Lade- dauer (h) Charging time (h)	Kapazität (mAh) Capacity (mAh) / Working hours	REF
<p>Typ AA, 2,5 V, NiMH, klein Type AA, 2.5 V, NiMH, small</p> 	für for KaWe MedCharge 3000 + 4000 Wichtig: dürfen nicht mit LED-Laryngoskopgriffen 2,5 V verwendet werden Important: can not be used with 2.5 V LED laryngoscope handles	ca. approx. 8	1600 / 2 hours	12.80110.712
<p>Typ AA, 3,5 V, NiMH, klein Type AA, 3.5 V, NiMH, small</p> 	für for KaWe MedCharge 3000 + 4000	ca. approx. 4	750 / 3 hours	12.80120.712
<p>Typ C, 2,5 V, NiMH, mittel Type C, 2.5 V, NiMH, medium</p> 	für for KaWe MedCharge 3000 + 4000 Wichtig: dürfen nicht mit LED-Otoskopgriffen und LED-Laryngoskopgriffen 2,5 V verwendet werden Important: can not be used with LED otoscope handles and 2.5 V LED laryngoscope handles	ca. approx. 14	3000 / 2 hours	12.80110.722
<p>Typ C, 3,5 V, Lithium-Ion (Li-Ion), mittel Type C, 3.5 V, Lithium-Ion (Li-Ion), medium</p> 	für for KaWe MedCharge 4000	ca. approx. 8-10	2200 / 3 hours	12.80220.722

3.1. Universali, tinkama naudoti su įkraunamu ličio jonų akumuliatoriumi
7. Reikalavimai akumuliatoriui

- Vorteile Li-Ion Ladebatterien | Advantages of Li-ion rechargeable batteries
- hohe Lebensdauer | - long service life
 - hohe Energiedichte | - high energy density
 - kein Memory-Effekt | - no memory-effect
 - geringe Selbstentladung | - minimal self-discharge

Wichtig: nur für KaWe MedCharge 4000
Important: only for the KaWe MedCharge 4000

7. 2. Švietimo laikas pilnai įkrautu akumuliatoriumi 180 min.



Warnings:

8. Reikalavimai įkrovikliui

1. Follow additional requirements specified in user's manuals for rechargeable batteries for the charging time.
2. Caution! Do not use dry batteries - risk of explosion!
3. Before installation, check that the mains voltage used is within the permissible range (see technical data).
4. After charging has been completed, remove the battery handles from the device and disconnect the power cable of the charger from the mains.
5. The device may only be used in closed, dry rooms.
6. Do not use the charger in areas subject to strong magnetic fields (MRI systems).
7. Do not clean the inside of the charger as this could cause a short circuit.

Maintenance: After the power supply plug has been plugged into the outlet, the charger is ready for use (the green LED will read: „Standby“). After the battery handle have been inserted, the LED of the corresponding charging socket signals the charging status (red = charging, green = fully charged, blinking red = error). After the charging voltage has been reached, the LED switches from red to green, i.e. the battery handle is fully charged. When the handle is inserted into the socket, the charging process starts automatically. If necessary, a take-up sleeve is used as an adapter for the various handles. After unscrewing the cover, the battery can be removed or replaced.

Technical data:

- Input voltage 100 V–240 V +/- 10%, 50–60 Hz
- Power factor >0.99
- Chargeable elements NiMH and Li-Ion
- Number of elements NiMH 2–3 elements, Li-Ion 1 element
- Chargeable capacity min. 250 mAh, max. 4500 mAh
- Charger input voltage 8.55–9.45 VDC
- No-load power consumption < 0.5 W
- Rated power consumption about 4.5 W
- No-load output voltage < 9 VDC

2.6. Akumuliatoriaus įkroviklis – 1 vnt.
8. Reikalavimai įkrovikliui



Ladebeispiele / charging station examples

KaWe MedCharge 4000



Macintosh F.O. blade

- REF 03.42013.601
- REF 03.42013.611
- REF 03.42013.621
- REF 03.42013.631
- REF 03.42013.641
- REF 03.42013.651

Add to inquiry list

Macintosh F.O. blade, size 0	Lenght x height: 80 x 13 mm	REF 03.42013.601	
Macintosh F.O. blade, size 1	Lenght x height: 92 x 20 mm	REF 03.42013.611	
Macintosh F.O. blade, size 2	Lenght x height: 112 x 19 mm	REF 03.42013.621	x 1
Macintosh F.O. blade, size 3	Lenght x height: 130 x 22 mm	REF 03.42013.631	x 3
Macintosh F.O. blade, size 4	Lenght x height: 155 x 25 mm	REF 03.42013.641	x 1
<u>Macintosh F.O. blade, size 5</u>	Lenght x height: 175 x 23 mm	REF 03.42013.651	

4. Reikalavimai lenktoms mentelėms

Blades with replaceable fibre optics

- matte stainless steel – prevents back reflection
- replaceable light guide
- easy to clean
- environmentally-friendly and cost-effective
- fibre optic illumination Ø 4 mm, 5500 single fibres minimum
- can be treated in autoclave at up to 134°C – approx. 2000 times
- in accordance with DIN ISO 7376

2. Vieną laringoskopo komplektą sudaro:

1. Reikalavimai laringoskopo konstrukcijai:



Miller F.O. blade

REF 03.42023.591
REF 03.42023.601
REF 03.42023.611
REF 03.42023.621
REF 03.42023.631
REF 03.42023.641

Add to inquiry list

2. 5. Tiesi (Miller tipo), 3 dydžio mentelė – 1 vnt.;

Miller F.O. blade, size 00	length x height : 65 x 11 mm	REF 03.42023.591
Miller F.O. blade, size 0	length x height : 75 x 11 mm	REF 03.42023.601
Miller F.O. blade, size 1	length x height : 102 x 11 mm	REF 03.42023.611
Miller F.O. blade, size 2	length x height : 153 x 13 mm	REF 03.42023.621
Miller F.O. blade, size 3	length x height : 195 x 13 mm	REF 03.42023.631
<u>Miller F.O. blade, size 4</u>	length x height : 205 x 17 mm	REF 03.42023.641

5. Reikalavimai tiesiai mentelei

Blades with replaceable fibre optics

- matte stainless steel – prevents back reflection
- replaceable light guide
- easy to clean
- environmentally-friendly and cost-effective
- fibre optic illumination Ø 4 mm, 5500 single fibres minimum
- can be treated in autoclave at up to 134°C – approx. 2000 times
- in accordance with DIN ISO 7376

1. Reikalavimai laringoskopo konstrukcijai:

ENGLISH

- The operation of KaWe laryngoscopes can be interfered by mobile HF telecommunication equipment.
- In case of damage (e.g., leakage), batteries and



Single-use blades and handles are not to be recycled and therefore be disposed of immediately.



In the event of an error, increased heat build-up can occur, which can lead to the risk of burns. In case of intense heating, turn the handle off immediately.

3.2. Korpusas pagamintas iš nerūdijančio plieno ir padengtas slydimui atsparia medžiaga arba grublėtu paviršiumi, saugančiu nuo slydimo;

Risks and indications of possible hazards

EN

Risk of injury to anatomical structures such as the mucus membranes, lips, teeth, Adam's apple, vocal cords and epiglottis.

Materials used

These laryngoscopes are made of stainless steel or recyclable plastic (polycarbonate). Allergic reactions are therefore not to be expected.

4. Assembly

1. Place the blade on the blade receptacle on the handle (2) and snap it into place.
2. Fold up the blade and snap it into place.

Check the fit to make sure it is secure. Make sure that the blade is securely engaged to prevent material damage. Perform a few "dry runs" of assembling the instrument before using it on a patient.

5. Pre-use preparatory measures

