



HEINE Otoscopes

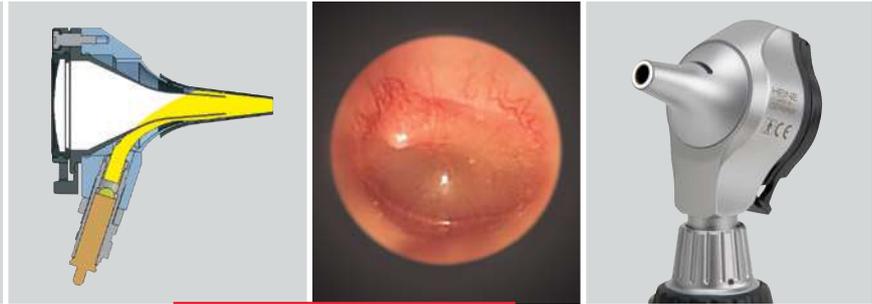


8.1.P. Optinė dalis metalinė

	BETA 400 F.O.	BETA 200 F.O.	K180 F.O.	mini 3000 F.O.	BETA 100	K100	mini 3000
Housing construction	Metal	Metal	Poly-carbonate	Poly-carbonate	Metal	Poly-carbonate	Poly-carbonate
Viewing window	Glass	Glass	Acrylic	Acrylic	Glass	Acrylic	Acrylic
Magnification	4.2x	3x	3x	3x	3x	3x	3x
Illumination	F.O. XHL or LEDHQ	F.O. XHL or LEDHQ	F.O. XHL	F.O. XHL or LEDHQ	Direct XHL	Direct XHL	Direct XHL
Instrument size	Professional	Professional	Professional	Compact	Professional	Professional	Compact
Handle options / power sources	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• Rechargeable handle with table charger</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• Rechargeable handle with table charger</li> </ul>
Tips / Specula	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips with tip adaptor</li> <li>• UniSpec disposable specula</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips with tip adaptor</li> <li>• UniSpec disposable specula</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips</li> </ul>
Pneumatic testing of tympanum mobility	Insufflation port available	Insufflation port available	Insufflation port available	Insufflation port available, Insufflation port required	Insufflation port available	Insufflation port available	-
Catalogue page	011	013	015	016	020	022	023

8.13.P. Įpūtimo pompa pneumatiniam tyrimui

High-quality Fiber Optics (F.O.) provide a homogeneous, reflex-free illumination.



8.4.P. Apšvietimas LED, fibrooptinis

HEINE BETA® 400 LED F.O. Otoscope

4.2x magnification with LED<sup>HQ</sup> illumination

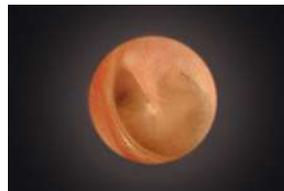
**LED<sup>HQ</sup>**  
 LED NOW IN HEINE QUALITY.



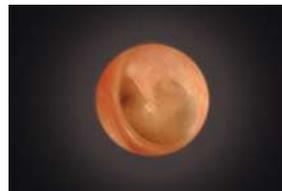
The otoscope has been designed with an all metal housing and scratch resistant glass lenses which guarantee a lifetime of maintenance-free use. LED with virtually unlimited hours of working life. No need to ever replace bulbs. Maintenance-free for a lifetime.

8.2.P. Didinimas 4,2x

- ∴ **Exclusive 4.2x magnification.** More detail of anatomical structures and easy recognition of foreign bodies.
- ∴ **Exceptional depth of field.** Provides sharp spatial images in a convenient working range.
- ∴ **Large field of view.** Gives the necessary overview and perfect orientation during examinations. 8.3.P. Optikos raiška, aukšta, be optinių iškraipymų
- ∴ **Multi-coated precision optics.** Offer high resolution and distortion free images.
- ∴ **Fiber Optic Illumination.** Ensures homogeneous, very bright illumination and an unobstructed view of the ear canal and tympanum.
- ∴ **There's LED. And there's LED<sup>HQ</sup>.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. That's what we call LED in HEINE Quality – or LED<sup>HQ</sup>.
- ∴ **Special optical interface to precisely integrate the LED illumination with the optical system** to ensure bright, homogeneous light during examinations.
- ∴ **Patented, unique, stepless dimming from 3% to 100% with practical one-finger operation.** 8.9.P. Šviesos intensyvumo nustatymas nuo 3 iki 100%
- ∴ **One hand operation.** The unique patented design allows the permanently attached optical system to be flipped open and out of the way, enabling instrumentation and ease of cleaning.
- ∴ **Integrated insufflation port** offers tympanic mobility testing without air leakage. See order information accessories on page 019.
- ∴ **Full functionality of the BETA 400 LED F.O. Otoscope is guaranteed with BETA Rechargeable Handles and the EN 200 / EN 200-1 Wall Transformers.**



BETA 400 LED F.O. Otoscope with 4.2x magnification



Conventional Otoscope

- ∴ **Also available with XHL Xenon Halogen illumination.** Bright illumination and authentic colour rendering; for other technical specifications see BETA 400 LED F.O. Otoscope.



8.13.P. Spekulės, skirtingų dydžių, daugakartinės 4 vnt., vienkartinės 2,5 mm, pagamintos iš perdirbto plastiko 50 vnt., vienkartinės 4 mm, pagamintos iš perdirbto plastiko 50 vnt.

HEINE BETA 400 Diagnostic Sets/Kits

8.12.P. Galima naudotis daugkartinėmis ir vienkartinėmis spekulėm

**With XHL or LED<sup>HQ</sup> illumination**

**Set includes: BETA 400 F.O. Otoscope,**  
 1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø,  
 spare bulb for XHL version, **hard case.**

8.13.P. Kietas dėklas laikymui



	2.5V XHL	3.5V XHL	LED
BETA battery handle	<b>B-143.10.118</b>		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>B-143.27.388</b>	<b>B-143.28.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>B-143.23.420</b>	<b>B-143.24.420</b>

8.13.P. Komplektacija: rankena - pakraunama per USB jungtį, pakrovėjas tinkantis rankenos pakrovimui



Without case

**NEW! Kit includes: BETA 400 F.O. Otoscope,**  
 5 of both AllSpec disposable tips 2.5 and 4 mm Ø.

	2.5V XHL	LED
BETA battery handle	<b>B-010.10.118</b>	
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>B-010.28.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>B-010.24.420</b>



**Set includes: BETA 400 F.O. Otoscope and BETA 200 Ophthalmoscope,**  
 1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø,  
 one spare bulb each for XHL version, hard case.

	2.5V XHL	3.5V XHL	LED
BETA battery handle	<b>A-153.10.118</b>		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>A-153.27.388</b>	<b>A-153.28.388</b>

**Also available as a kit with EN 200 Wall Transformer (page 145)**



Without case

**Kit includes: BETA 400 F.O. Otoscope and BETA 200 Ophthalmoscope,**  
 1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø,  
 one spare bulb each for XHL version.

	3.5V XHL	LED
2x BETA4 NT rechargeable handle with NT4 table charger	<b>A-153.23.422</b>	<b>A-153.24.422</b>

∴ For further information on the HEINE BETA 200 Ophthalmoscope, please see page 045.



**∴ HEINE BETA® LED F.O. Otoscopes**

The best and brightest HEINE Otoscopes based on 70 years of experience and exclusive LED<sup>HQ</sup> Technology



# [ HEINE BETA® 400 F.O. LED OTOSCOPE ]

8.10.P. Integruota insufliacinė anga, būgnelio judrumui tikrinti

Insufflation port for pneumatic mobility testing



BETA 4 rechargeable handles with latest Li-ion technology offer more than double the capacity (no memory effect) compared to previous NiMH rechargeable batteries, rapid charging\* and an additional charge status indicator\*\*

\*BETA 4 NT (Li-ion) typically 2 hrs.  
BETA 4 USB (Li-ion) typically 4 hrs.

\*\*only for BETA 4 NT, BETA 4 USB

Metal housing



Continuous brightness control up to 77,000 lux with tip (5 mm), LED<sup>HQ</sup> for homogeneous and colour accurate illumination

Exclusive 4.2x magnification



BETA400 LED F.O. Otoscope    Conventional Otoscope

## HEINE BETA® LED F.O. Otoscopes: Sharpest images, perfect colour rendering and brightness

**Exclusive 4.2x or 3x magnification.** More detail of anatomical structures and easy recognition of foreign bodies.

Fibre Optic Illumination. **Ensures homogeneous, very bright illumination and an unobstructed view of the ear canal and tympanum.**

Exclusive continuous brightness control between 100% and 3% (patent pending). **Optimal light intensity can be individually adjusted for every examination situation.**

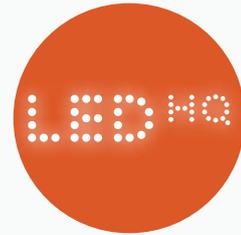
The permanently attached optical system which can be flipped open/swivelled out of the way enables **instrumentation and easy cleaning of the instrument head.**

With an all metal housing and a scratch resistant glass window, BETA LED F.O. Otoscopes **guarantee a lifetime of maintenance-free use** and high-quality patient assessments.

**5 Year Guarantee.** HEINE makes no compromises in manufacturing high quality medical instruments. Our commitment to vertical integration in manufacturing means we control all aspects of our instrument quality.



# HEINE LED<sup>HQ</sup>: Light that shows colours as they are



LED light sources impress with their long lifetime and energy efficiency. There is no need to ever exchange the LED. The quality of LED illumination can however vary greatly compared to XHL illumination.

With the exclusive HEINE LED<sup>HQ</sup> technology you can enjoy all benefits of LED technology, with no compromise in illumination quality. This is achieved by a high Colour Rendering Index (CRI) of 97 (red is red, blue is blue).

8.7.P. Apšvietimo intensyvumas su antgaliu 77 000 Lux

**BRIGHT AND HOMOGENEOUS ILLUMINATION**  
with up to 77,000 lux (with 5 mm tip).

8.5.P. Spalvinė temperatūra 3500K

**HIGH COLOUR RENDERING INDEX**  
Colour temperature: 3,500K, Colour Rendering Index (CRI) > typically 97, special index for red colours (R9) > 93 on a maximum scale of 100.

8.6.P. CRI 97

**CONSISTENT LIGHT OUTPUT AND PERFORMANCE**  
throughout the whole working life of up to 100,000 hours.

8.8.P. LED švietimo laikas 100 000 val.

## EFFICIENCY

with the BETA4 rechargeable handle a longer examination time of approx. 3x.

## [ HEINE BETA<sup>®</sup> 200 LED F.O. OTOSCOPE ]

Swivelling viewing window with 3x magnification



Metal housing



Insufflation port for pneumatic mobility testing

Continuous brightness control up to 77,000 lux with tip (5 mm), LED<sup>HQ</sup> for homogeneous light with true colours



BETA4 rechargeable handles with latest Li-ion technology offer more than double the capacity (no memory effect) compared to previous NiMH rechargeable batteries, rapid charging\* and an additional charge status indicator\*\*

\*BETA4 NT (Li-ion) typically 2 hrs  
BETA4 USB (Li-ion) typically 4 hrs

\*\*only for BETA4 NT, BETA4 USB

## HEINE BETA® 4 Rechargeable Handles

### Next-generation energy management



- ∴ **High-quality metal construction** for strength and durability.
- ∴ **Exclusive Automatic Connector with locking design.** No metal on metal friction which can wear out over time, for a secure fit for the lifetime of your instruments.
- ∴ **Deep Battery Discharge Protection:** Integrated safety system protects your investment by preventing batteries from completely draining; thus ensuring maximum battery life.
- ∴ **Familiar brightness control:** Rheostat for continuous brightness control with power level indicator.
- ∴ **Li-ion technology:** no “memory effect”. Charge your handle how you like without worrying about charge level or battery condition.
- ∴ **Extended ON time:** work typ. 6 weeks between recharging with LED instruments.
- ∴ **Quick charge.**
- ∴ Slightly knurled finish of the handle provides a **non-slip grip but is easy to clean and disinfect.**
- ∴ **Charge Status Indicator** in the bottom insert: the indicator shines orange if the battery needs to be recharged. In the BETA4 USB Handle the indicator blinks green during the charging process and shines permanently green as soon as it is fully charged.

#### BETA4 NT rechargeable handle for NT4 table charger

- ∴ **Ready-to-use Function.** Handles switch ON & OFF automatically when placed into charger. Set your desired brightness level once and it stays there every time you use your instrument. Also prevents battery damage and premature bulb burn outs if the instruments are accidentally left on.

Not compatible with the NT 300 table charger and the previous generations.

8.11.P. Akumuliatorius pakraunas, ličio jonų, 3,5 V



[01]

	3.5V Li-ion
Rechargeable handle complete with Li-ion rechargeable battery and BETA4 NT bottom insert	X-007.99.396
BETA4 NT bottom insert	X-002.99.394
Li-ion rechargeable battery for BETA4 rechargeable handle	X-007.99.383
BETA Belt Clip [01]	X-000.99.008

#### BETA4 USB Li-ion rechargeable handle

- ∴ **Maximum safety.** You can charge your HEINE BETA4 USB handle with any USB plug or other USB power source, with absolute peace of mind. The BETA4 USB handle has an integrated, exclusive Galvanic Separation Module that protects the handle, and the user, even if a faulty or inferior plug is used; thus preventing the possibility of the full mains voltage flowing directly to the handle. We do however recommend the use of a medical approved plug-in power supply.



[02]

[01]

	3.5V Li-ion
Rechargeable handle complete with Li-ion rechargeable battery, BETA4 USB bottom insert, USB cord with medical approved plug-in power supply and handle rest	X-007.99.388
Li-ion rechargeable battery for BETA4 rechargeable handle	X-007.99.383
BETA4 USB bottom insert	X-002.99.395
USB Cord [01] with E4-USB plug-in power supply [02]	X-000.99.303
E4-USB Medical approved plug-in power supply [02]	X-000.99.305
BETA Belt Clip	X-000.99.008



8.13.P. Vienkartinės spekulės  
2,5 mm ir 4 mm pagamintos iš  
perdirbto plastiko



## HEINE ALLSPEC DISPOSABLE TIPS

For BETA 400, BETA 200, K180, mini 3000 F.O., mini 3000 Otoscopes.

[A tip for a better future. HEINE AllSpec disposable tips – now made of recycled plastic](#)

- ▶ The renowned HEINE Quality is now saving tons of CO2
- ▶ For a particularly secure fit, best light transmission and hygiene
- ▶ Assured quality. No sharp edges

### Configurations

Product

## HEINE AllSpec® Disposable Tips



2.5 mm dia. 4 mm dia.



[01]



[02]



[03]

- ∴ For the most secure fit, best light transmission and hygiene, we recommend the use of **HEINE Otoscope Tips**.
- ∴ **Assured quality.** No sharp edges.

### AllSpec Disposable tips (grey)

for BETA 400, BETA 200, K180, mini 3000 F.O., mini 3000 Otoscopes

Pack of 1000 pcs. 2.5mm dia. (infants) [01]	B-000.11.128
Pack of 1000 pcs. 4 mm dia. (adults) [01]	B-000.11.127
Dispenser pack, single, of 250 tips, 2.5 mm dia (infants) [02]	B-000.11.153
Dispenser pack, single, of 250 tips, 4 mm dia (adults) [02]	B-000.11.152
Case of 10 dispenser packs of 250 tips, 2.5 mm dia (infants)	B-000.11.151
Case of 10 dispenser packs of 250 tips, 4 mm dia (adults)	B-000.11.150

- ∴ **AllSpec Tip dispenser** incl. tips Ø 2.5 mm and 4 mm.
- The right size, visible and instantly available.** A clean new tip for each and every patient.

AllSpec Tip dispenser (2x 45 tips) [03]	B-000.11.149
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⊗: Single use only.

## Reusable Tips

8.13.P. Spekulės, skirtingų dydžių, daugkartinės



2.4 mm dia. 3 mm dia. 4 mm dia. 5 mm dia.

- ∴ For the most secure fit, best light transmission and hygiene, we recommend the use of **HEINE Otoscope Tips**.
- ∴ **Made of high-density SANALONS plastic with smooth external finish.** Easy to clean. Common germicides can be used. Autoclavable at up to 134 °C.
- ∴ **Ergonomic shape.** Painless atraumatic insertion.

### Reusable tips (black)

for BETA 400, BETA 200, K180, mini 3000 F.O., mini 3000 Otoscopes

	1 piece	50 pieces
Reusable tip 2.4 mm dia.	B-000.11.107	B-000.11.207
Reusable tip 3.0 mm dia.	B-000.11.108	B-000.11.208
Reusable tip 4.0 mm dia.	B-000.11.109	B-000.11.209
Reusable tip 5.0 mm dia.	B-000.11.110	B-000.11.210

1 set = 4 pcs. reusable tips SANALONS 2.4/3/4/5 mm dia.	B-000.11.111
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## Soft Disposable Tips



3 mm dia. 5 mm dia.

- ∴ Fits over the end of the tip to protect the auditory canal.

### Soft disposable tips (black)

Soft disposable tip 3 mm dia. 40 pcs./1 pack	B-000.11.141
Soft disposable tip 5 mm dia. 40 pcs./1 pack	B-000.11.142

⊗: Single use only.

Further articles / Accessories

**HEINE F.O. Otoscopes**



<b>BETA 400 F.O. Otoscope Head</b>	2.5V XHL	3.5V XHL	LED
with 4 reusable tips, without handle	<b>B-001.11.401</b>	<b>B-002.11.401</b>	<b>B-008.11.401</b>
without handle and without accessories	<b>B-001.11.400</b>	<b>B-002.11.400</b>	<b>B-008.11.400</b>



<b>BETA 200 F.O. Otoscope Head</b>	2.5V XHL	3.5V XHL	LED
with 4 reusable tips, without handle	<b>B-001.11.501</b>	<b>B-002.11.501</b>	<b>B-008.11.501</b>
without handle and without accessories	<b>B-001.11.500</b>	<b>B-002.11.500</b>	<b>B-008.11.500</b>



<b>K180 F.O. Otoscope Head</b>	2.5V XHL	3.5V XHL
with 4 reusable tips, without handle	<b>B-001.11.551</b>	<b>B-002.11.551</b>
without handle and without accessories	<b>B-001.11.550</b>	<b>B-002.11.550</b>



<b>mini 3000 F.O. Otoscope Head</b>	2.5V XHL	2.5V LED
without handle and without accessories *	<b>D-001.70.106</b>	<b>D-008.70.106</b>

\* Available in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.



<b>Spare bulb for BETA 400, BETA 200 and K180</b>	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	<b>X-001.88.077</b>	<b>X-002.88.078</b>



<b>Spare bulb for mini 3000 F.O.</b>	2.5V XHL
XHL Xenon Halogen spare bulb	<b>X-001.88.105</b>

**8.13.P. Įpūtimo pompa pneumatiniam tyrimui**



<b>Insufflation bulb for pneumatic testing</b>		
Insufflation bulb for BETA 400, BETA 200 and K180 Otoscopes		<b>B-000.11.240</b>
Insufflation bulb for mini 3000 F.O. Otoscope with connector		<b>D-000.80.102</b>
Insufflation port connector for mini 3000 F.O. Otoscope		<b>D-000.80.101</b>