



HEINE Otoscopes



	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"> Battery handle USB rechargeable handle Rechargeable handle with table charger EN 200 / EN 200-1 	<ul style="list-style-type: none"> Battery handle USB rechargeable handle Rechargeable handle with table charger EN 200 / EN 200-1 	<ul style="list-style-type: none"> Battery handle USB rechargeable handle Rechargeable handle with table charger EN 200 / EN 200-1 	<ul style="list-style-type: none"> Battery handle Rechargeable handle with table charger 	<ul style="list-style-type: none"> Battery handle USB rechargeable handle Rechargeable handle with table charger EN 200 / EN 200-1 	<ul style="list-style-type: none"> Battery handle USB rechargeable handle Rechargeable handle with table charger EN 200 / EN 200-1 	<ul style="list-style-type: none"> Battery handle Rechargeable handle with table charger
Tips / Specula	<ul style="list-style-type: none"> Reusable tips AllSpec disposable tips 	<ul style="list-style-type: none"> Reusable tips AllSpec disposable tips 	<ul style="list-style-type: none"> Reusable tips AllSpec disposable tips 	<ul style="list-style-type: none"> Reusable tips AllSpec disposable tips 	<ul style="list-style-type: none"> Reusable tips AllSpec disposable tips with tip adaptor UniSpec disposable specula 	<ul style="list-style-type: none"> Reusable tips AllSpec disposable tips with tip adaptor UniSpec disposable specula 	<ul style="list-style-type: none"> Reusable tips AllSpec disposable tips
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

9.2.P. Polykarbonatas

9.6.P. Integuota insufliacinė anga, būgnelio judrumui tikrinti



HEINE mini 3000® F.O. Oscope

Compact pocket otoscope with XHL or LED^{HQ} illumination

LED^{HQ}
LED NOW IN HEINE QUALITY.

9.1.P. Kišeninis
(mažesnio nei įprasto
dydžio), lengvas

Modern pocket otoscope with bright illumination and accurate colour rendering. Unique design, compact and powerful. Can only be used with the mini 3000 handle system. Available in black or blue.



9.3.P. Didinimas 3x

Features for both instruments (XHL and LED):

- 20,000 ON/OFF switch cycles guaranteed.
- **Distal Fiber Optic (F.O.) illumination:** Reflex-free illumination of tympanum and ear canal.
- **Viewing window with 3x magnification and** optimized casing surface for razor-sharp images and minimal reflection. Swivelling viewing window built into instrument.
- **Pneumatic testing** of tympanum mobility by using the insufflation port and an optional connector. See order information accessories on page 019.
- **Attachment clip with integrated on/off switch.** Switches off automatically when returned to the pocket. 9.7.P. Išsijungia automatiškai ✓
- **Replaceable batteries.** Size AA, or optional rechargeable battery with mini NT table charger.*
- **2-piece handle and head.** Easy to maintain, flexible.
- **Award-winning design.** Maximum quality with minimum dimensions.

9.4.P. Apšvietimas LED,
fibrooptinis, be refleksų

Special features of the LED instruments:

9.5.P. Apšvietimo kokybė: tiksliai ir
natūraliai perteikia vaizdą ir spalvas

- **Maintenance-free,** no need to ever exchange the LED.
- LED thermal management for a **consistent light output throughout the whole working life.**
- **There's LED. And there's LED^{HQ}.** 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 and thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- **Twice as bright as** Xenon Halogen instruments.
- **Exclusive Battery Performance Indicator:** When the instrument is switched on, the maximum light intensity is shown, then the light intensity is regulated down to the level that corresponds to the current charge status of the battery so you know when your batteries need changing.
- **Fade-Out Feature:** brightness reduces slowly even with low residual capacity, for even more efficient use of dry or rechargeable batteries.
- **Operating time typ. 10 hours.** The batteries need to be changed less often and the rechargeable batteries last longer.



*To upgrade to a rechargeable instrument with mini NT table charger, please see page 148.



HEINE mini 3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.



9.9.P. Galima naudoti su daugkartinėmis ir vienkartinėmis spekulėmis



[01]

HEINE mini 3000 F.O. Diagnostic Sets/Kits

9.12.P. Spekulės skirtingų dydžių, daugkartinės 4 vnt., vienkartinės 2,5 mm ir 4 mm po 50 vnt.

Set/Kit includes: mini 3000 F.O. Otoscope,

1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø.

Optionally with or without hard case.

9.12.P. Dėklas laikymui kartu su gerklės pašvietėju

	2.5V XHL	2.5V LED
mini 3000 battery handle with batteries, hard case [01]	D-851.10.021	D-885.20.021
mini 3000 battery handle with batteries, without case	D-001.70.120	D-008.70.120



[02]

Without case

Kit includes: mini 3000 F.O. Otoscope,

5 of both AllSpec disposable tips 2.5 and 4 mm Ø.

	2.5V XHL	2.5V LED
mini 3000 battery handle with batteries [02]	D-001.70.110	D-008.70.110
mini 3000 rechargeable handle (please order mini NT table charger separately)	D-001.70.301	D-008.70.301



Set includes: mini 3000 F.O. Ophthalmoscope and mini 3000 Ophthalmoscope,

1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø, hard case.

	2.5V XHL	2.5V LED
2 mini 3000 battery handles with batteries	D-873.11.021	D-886.11.021



Without case

Kit includes: mini 3000 F.O. Ophthalmoscope and mini 3000 Ophthalmoscope,

5 of both AllSpec disposable tips 2.5 and 4 mm Ø.

	2.5V XHL	2.5V LED
2 mini 3000 rechargeable handles and mini NT table charger	D-859.11.022*	D-860.11.022*

*with this Art. No. only available in black

∴ For further information on the HEINE mini 3000 Ophthalmoscope, please see page 050.



Tongue-Blade Holder

For wooden tongue-blades



Without case

- **XHL Xenon Halogen technology.** Concentrated illumination of oral cavity and pharynx.
- **Light-guide for bulb.** Avoids dazzle.

Tongue-Blade Holder with	2.5V XHL	3.5V XHL
BETA battery handle	B-015.10.118	
★ BETA4 USB rechargeable handle with USB Cord and plug-in power supply		B-015.27.388
BETA4 NT rechargeable handle (without NT4 table charger)		B-015.23.396

Tongue-Blade Holder

With blade ejector for use with HEINE disposable tongue-blades



Without case

- **XHL Xenon Halogen technology.** Concentrated illumination of oral cavity and pharynx.
- **Light-guide for bulb.** Avoids dazzle.
- **Blade ejector.** No need to touch used blades.
- **Only for HEINE disposable plastic tongue-blades.** Strong and hygienic.

Tongue-Blade Holder with	2.5V XHL	3.5V XHL
BETA battery handle	B-016.10.118	
★ BETA4 USB rechargeable handle with USB Cord and plug-in power supply		B-016.27.388
BETA4 NT rechargeable handle (without NT4 table charger)		B-016.23.396

9.11.1.P. Su vienkartinu liežuviu prispaudėju, atjungiamu vieno piršto prisilietimu (100 vnt.)

HEINE mini 3000® Tongue-Blade Holder

With blade ejector for HEINE disposable tongue-blades



Without case

Can only be used with the mini 3000 handle system.

- **Finger-tip pressure releases the used blade.** No need to touch the blade after use.
- **XHL Xenon Halogen technology.** Concentrated illumination of oral cavity and pharynx.
- **Only for HEINE disposable tongue-blades.** Strong and hygienic.

mini 3000 Tongue-Blade Holder with	2.5V XHL
★ mini 3000 battery handle* and 5 disposable blades, with batteries	D-001.74.118

9.11.2.P. Su rankena ir baterijomis

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

HEINE mini 3000 F.O. Diagnostic Sets/Kits



[01]

Set/Kit includes: mini 3000 F.O. Otoscope,

1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø.
 Optionally with or without hard case.

	2.5V XHL	2.5V LED
mini 3000 battery handle with batteries, hard case [01]	D-851.10.021	D-885.20.021
mini 3000 battery handle with batteries, without case	D-001.70.120	D-008.70.120



[02]

Without case

Kit includes: mini 3000 F.O. Otoscope,

5 of both AllSpec disposable tips 2.5 and 4 mm Ø.

	2.5V XHL	2.5V LED
★ mini 3000 battery handle with batteries [02]	D-001.70.110	D-008.70.110
mini 3000 rechargeable handle (please order mini NT table charger separately)	D-001.70.301	D-008.70.301

9.12.P. Pakrovējas tinkantis rankenos pakrovimui

9.8.P. Akumulatorius pakraunamas 2,5 V



Set includes: mini 3000 F.O. Otoscope and mini 3000 Ophthalmoscope,

1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø, hard case.

	2.5V XHL	2.5V LED
2 mini 3000 battery handles with batteries	D-873.11.021	D-886.11.021



Without case

Kit includes: mini 3000 F.O. Otoscope and mini 3000 Ophthalmoscope,

5 of both AllSpec disposable tips 2.5 and 4 mm Ø.

	2.5V XHL	2.5V LED
2 mini 3000 rechargeable handles and mini NT table charger	D-859.11.022*	D-860.11.022*

*with this Art. No. only available in black

∴ For further information on the HEINE mini 3000 Ophthalmoscope, please see page 050.

Setting up

To set up the HEINE devices, screw the instrument head into the HEINE battery handle or plug it on the HEINE rechargeable handle.

Verify that the lamp voltage complies with the supply voltage of the handle. The coloured marking on the bottom of the lamp shows you the lamp voltage:

White ring = HEINE XHL® 2.5 V bulb

only for use with the HEINE BETA® Battery handle

Red ring = HEINE XHL® 3.5 V bulb

Black ring = HEINE LED illumination

only for use with the HEINE BETA® rechargeable handle and HEINE® wall unit

This does not apply to the otoscope of the mini3000 series. Their lamp voltage is always 2.5 V independently of the handle.

Operation

The HEINE otoscope may only be inserted into the auditory canal when a tip is fitted.

Place the HEINE tip on the otoscope so that the projection inside the tip fits into the bayonet slit (1). Tighten the tip by twisting it slightly to the right.

The magnifying lens is inside the viewing window (2). To facilitate instrumentation, the viewing window can be swivelled to both sides or folded up.

The otoscopes have a connection port (3) for the optionally available insufflation bulb (6, 7) (with the exception of the mini3000).

The test of tympanic mobility can be carried out when the viewing window is closed using the insufflation bulb. Apply the pressure carefully with the insufflation bulb.

If, after switching on the unit, a sharp drop in brightness or a flashing of the light is noticed, new batteries should be inserted or rechargeable batteries recharged.



Application duration

The otoscopes are intended for transient examination < 1 min with a break between applications of 10 minutes.

The maximum temperature at the application point at an ambient temperature of 35 °C and in continuous operation is 44.5 °C.

The setting up and operation of the HEINE handles are described in a separate instruction of use.

Hygienic Reprocessing

The instruction is available:

- at www.heine.com

- in a paper version which you can request from the address listed

Maintenance

Changing the light source



Verify that the lamp voltage complies with the supply voltage of the handle.

Allow the device to cool down before changing the bulb.

BETA200 LED / BETA400 LED / mini3000 F.O. LED

With these otoscopes, the LED cannot be changed.

BETA200 / BETA400 / K180 / mini3000 F.O.

- Detach the otoscope from the handle and pull the bulb out of the guide tube of the connector plug (4) holding it at the narrow collar.
- Insert the new lamp all the way into the lamp guide.

BETA100 / K100

- Remove the tip from the otoscope and unscrew the lamp. Remove the sleeve from the old lamp.
- Refit the new bulb into the socket.
- Slide the sleeve on as far as it will go. This reduces stray light and reflections from the inside of the specula and should always be fitted.

mini3000

With this otoscope, swivel the viewing window (2) to the side and pull out the bulb backwards. Insert the new bulb as far as possible into the socket.

Service

The device has no components serviceable by the end-user.

Further articles / Accessories

HEINE Tongue-Blade Holder



Tongue-Blade Holder Head for wooden tongue-blades	2.5V XHL	3.5V XHL
without handle and without accessories	B-001.12.302	B-002.12.302



Tongue-Blade Holder Head for disposable tongue-blades	2.5V XHL	3.5V XHL
without handle and without accessories	B-001.12.305	B-002.12.305



mini 3000 Tongue-Blade Holder Head	2.5V XHL	
without handle and without accessories		D-001.74.100



Spare bulb for Tongue-Blade Holder	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.037	X-002.88.049



Replacement light-guide for Tongue-Blade Holder		
Light-guide for bulb		B-000.12.308



Spare bulb for mini 3000 Tongue-Blade Holder	2.5V XHL	
XHL Xenon Halogen spare bulb	X-001.88.037	



Disposable plastic tongue-blades		
Pack of 100 disposable plastic tongue-blades		B-000.12.304

9.11.1.P. Su vienkartinio liežuvio prispaudėju, atjungiamu vieno piršto prisilietimu (100 vnt.)

HEINE mini NT Charger Set for mini 3000

Compact charging technology



mini NT Charger set 2.5V. Consists of the mini NT table charger, 2 mini NT rechargeable batteries and 2 bottom inserts for the mini 3000 rechargeable handles. With this set, existing mini 3000 handles can be updated to the 2.5V rechargeable system.

mini NT table charger: Width 112 mm, Height 50mm, Depth 52 mm, Weight 404 g.

- ∴ **Innovative, compact design.** Practical and space-saving.
- ∴ **Two independent charging wells.** Complete functionality for one or two handles at a time.
- ∴ **Fast charge feature.** Typ. 4 hours to recharge a mini 3000 NiMH 2.5V rechargeable battery.
- ∴ **Automatic charging.** Independent of the state of charge of the rechargeable battery. Guarantees extended battery life.
- ∴ **Cannot be overcharged.** Charger switches off automatically when the battery is fully charged.
- ∴ **Charge status indicator.** Light pulses from the charging well to confirm the charging mode. Continuous light indicates that the charging process has been completed.
- ∴ **No memory effect.** Full power at any time without loss of capacity.

Please note: Suitable only for mini 3000 2.5V NiMH rechargeable battery.



mini NT table charger and accessories	
mini NT Charger, only [01]	X-001.99.484
mini 3000 Rechargeable handle complete* [02]	D-001.79.022
Rechargeable battery NiMH 2Z, only [03]	X-001.99.487
Bottom insert for mini 3000 Rechargeable Handle, only [04]	X-001.99.488



mini NT Charger Set for 2 mini 3000 Handles	
With this set, existing mini 3000 Handles can be updated to the 2.5V rechargeable system. It contains:	
mini NT table charger [01], 2 rechargeable batteries NiMH 2Z [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485



*HEINE mini 3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.



HEINE AllSpec® Disposable Tips



[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.

9.12. Spekulės, skirtingų dydžių, dauginės 4 vnt.

Reusable Tips



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.



9.12.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