Aktazal n tɣuri s tririt n umuḍin

Refractor 900

Arifraktur i ukayad n rifraksyun d tuqqna n yisefka.

Refractor 900 d arifraktyur umḍin n Haag-Streit i rifraksyun n umuḍin. Ixef aḍwan s umutur, agdil anallay n yinadiyen d tayunt talemmast d iferdisen yemgaraden s tsekta d tẓayt-nsen. Iseggimen n usfir d usilindr zemren ad seqdcen isurifen n 1/8 diyuptri. Tuqqna ɣer yidufa n yimuḍan d yibenkan ilaq ad tettwaseggem ilmend n usbeddi ASEM. Amesemsawi aprizmatik, Acuity Chart 900 d Converter Box d leqwamat neɣ ifranen i ilaq ad ttwasegzin, maççi d imallalen i d-yettunefken yal tikelt.



Refractor 900 · Tugna

Iɣbula d yisemliyen

Suter tasɣunt n ssuma

Wali afaris

Tettwahegga ass n 2026-11-09

> Taferkit-a n ufaris thegga-tt ASEM. Ur tettbeddil ara isemliyen unsiben n umeskar neɣ tinaḍin n useqdec.

Iferdisen igejdan

Rifraksyun tasagurant

Aseggem n lentiyat i yikayaden n rifraksyun.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-17

Asenqed s ugdil anermas

Asenqed n ukayad s tfelwit n ugdil anermas.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-17

Asemmeskel n yisefka

Asemmeskel n yisefka akked yibenkan d yikaramen n imuḍan.

Senqed amṣada n unagraw

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-17

Rifraksyun s telqay

Taɣessa taḍwant teskan iseɣtayen deg ubrid yettwasuddesen n rifraksyun.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-08-30

Eǧǧ inadiyen s users iwulmen

Taɣessa n umkan tesdukkel tiwuriwin i yettwaseqdacen deg ukayad.



Refractor 900 · Tugna

Iɣbula d yisemliyen

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-08-30

Qqen abrid n umahil

Tuqqna iɣef llan yisemliyen teshel asemmeskel n yisefka deg twennaḍt n rifraksyun.



Refractor 900 · Tugna

Iɣbula d yisemliyen

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-08-30

Akat awurman

Abrid uslig i unṭaf n yisefka n rifraksyun.

Isefka yettwasuddesen

Isallen iwulmen qqimen yellan deg unermis.

Abrid yeqqnen

Igmaḍ zemren ad ddukklen deg ubrid n rifraksyun n tklinik.

Tiwuriwin deg usnas

Rifraksyun n umuḍin

Iɣbula d yisemliyen

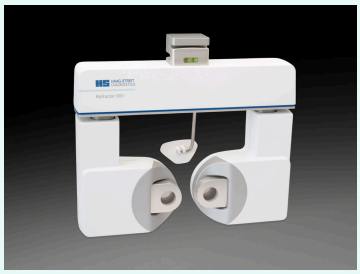
Rifraksyun: tilisa d yisurifen iɣef llan yisemliyen

Asfir: −20 ar +20 D. Asilindr: 0–8 D. Isurifen n usfir d usilindr: 0,125 / 0,25 / 1 D. Agellus: 0–179°. Isurifen n ugellus: 1° / 10°. Asilindr imḍan: 0,125 / 0,25 / 0,5 D. Tabrušurt teskan asilindr imḍan s tetiknuluji Stokes d ubeddel n tlentiyin s umutur. Tilisa n uprizm n 0–20 cm/m teqqen kan ɣer Refractor 900 s umesemsawi aprizmatik. Afran-a ur ilaq ara ad yettwazen ɣer lqem war aprizm.

Iɣbula d yisemliyen

Snerni telqayt n refraksiyon tusbiktant

Ixef n foropter yettak lentes, imsizdigen d yisilindren yemcrossen i refraksiyon tusbiktant. Isefka i yektel yibenk zemren ad d-ttwaketren d tazwara.



Refractor 900 · Tugna

Iɣbula d yisemliyen

Iɣbula d yisemliyen

Seggem s yimeẓla n 0.125 dpt

Tinadin segzant imeẓla n 0.125,0.25 d 1.0 dpt i usfir d usilindr. Aprizm yerza kan lqem i yesɛan tawuri-a.

Lqem s uprizm ilaq ad yettwaɛqel iman-is.

Iɣbula d yisemliyen

I wakken ad yishil ubrid n umahil

Inadiyen, agdil d yifrangen

Agdil anallay: 10,1 n yidudan. Tifrat n ugdil: 1280 × 800 n yipiksilen. Akna n ugdil: 30–45°. Agdil yesɛa tarwaḍt s waṭas n twuriwin d yimseḍfaren n rifraksyun yettwaseggmen. Acuity Chart 900 d afran, yettwaḥkam seg ugdil-a; askan-is deg uzenziɣ ur yettḍemmen ara yeddukel d amagnu. Afran n lqem aprizmatik, tafelwit n twali d yimallalen ilaq ad yettwasegzi akked ASEM.

Iɣbula d yisemliyen

Qqen abrid n rifraksyun

Tayunt talemmast teskan PoE i ufuruptur d ugdil, Bluetooth i Acuity Chart 900, RJ45 i EMR d Converter Box, USB i NFC. Arured adday n uẓeṭṭa d 100 Mbit/s. Converter Box d afran i tuqqna n yibenkan iwulmen, am kra n yibenkan n yimserken-nniḍen. Leqwamat, inermisen, ilugan n tɣellist d tuqqniwin ilaq ad ttwaseɣten i twennaḍt ASEM s tidet; ur yettwaḍmen ara usidef n yal ibenk.

Iɣbula d yisemliyen

Senqed akayad seg ukunsul

Agdil amḍufan d tqeffalin ttakent anekcum ɣer tezwertin, ikayaden d yimsizdigen. Ixef, akunsul d tayunt talemmast d kraḍ n yiferdisen yemgaraden n unagraw.



Refractor 900 · Tugna

Iɣbula d yisemliyen

Iɣbula d yisemliyen

Kter sakin siweḍ igmaḍ

Anagraw yettbeddil isefka n refraksiyon akked yibenkan n yiri d ukaram n umuḍin. Asdukkel n uẓeṭṭa d yibenkan imṣadan ilaq ad ttusegzin i usbeddi.



Refractor 900 · Tugna

Iɣbula d yisemliyen

Iɣbula d yisemliyen

I useqdec n yal ass

Abrid arurad

Timellilin qqiment sehlent i umseḍfer.

Iɣbula d yisemliyen

Isefka yeshilen i tɣuri

Igmaḍ sehlen i uwali.

Iɣbula d yisemliyen

Abrid yetteddun

Akat yeddukel deg ukayad n umuḍin.

Iɣbula d yisemliyen

Lehna n terbaɛt

Aseqdec n yal ass yeqqim yettwasuddes.

Iɣbula d yisemliyen

Tiḍwant d users n umuḍin

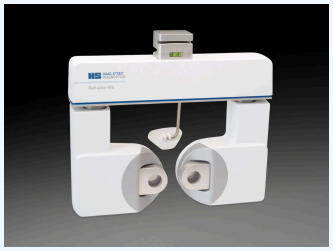
Amecwar gar tpupilin n wallen: 48–80 mm. Teɣzi n tpupilt n tiṭ: 0–13 mm. Aḥric ilelli: 23 mm. Asdukkel: asers 400 mm. Amecwar gar lqerniya d yixef yettwaskan deg yiwen n wakud; tafelwit teskan azamul CVD n 16 mm s tilisa ±0,15 mm. Amersi n tlentiyin i nettwali d yiseggimen s umutur ttaɛawanen akayad. Tulmisin-a n tɣessa ur ḍemnent ara agmuḍ n rifraksyun i yal amuḍin.

Iɣbula d yisemliyen

Senqed adeg n umuḍin

Asebdad n yinyir, iseɣnen n umeccaq gar tberracin d tmuɣli VD ttɛawanen aseggem ɣef yiwen n ubrid. Iferdisen-a i useggem n wadig kan; maççi d biyumetri n tiṭ.

Iɣbula d yisemliyen



Refractor 900 · Tugna

Iɣbula d yisemliyen

Asbeddi: kraḍ n yiferdisen yemgaraden

Trisiti: 100–240 V AC. Asnagar: 50–60 Hz. Tanezmart yettwammelen: 64,8 VA. Ixef n ufuruptur yesɛa 309 × 75 × 235 mm (Taɣzi × Tehri × Teɣzi ibeddi, PD yettwaseggem ɣer 64 mm), taẓayt 3,3 kg. Agdil n yinadiyen yesɛa 241 × 280 × 213 mm d 2,5 kg. Tayunt talemmast tesɛa 200 × 270 × 90 mm d 2,8 kg. Tisekta d tẓayt-a d tin n yiferdisen yemgaraden; mačči d yiwen n ukat neɣ tẓayt tamatut yettwasnulfan. Tuqqniwin d yisersiyen ilaq ad ttwasegzin deg tesɣunt.

Iɣbula d yisemliyen

Heggi kraḍ n yiferdisen

Asbeddi yeqqen ixef, akunsul d tayunt talemmast uqbel asekker. Tuqqniwin ɣer unagraw n tezmert n twali d ukaram n umuḍin ilaq ad tent-yesseggem atiknisyan iwulmen.

Iɣbula d yisemliyen

Isallen itiknikanen d yisemliyen

Ticreḍt
Haag-Streit

Anaw
Refractor 900

Tatiknuluji
Arifraktyur / arifraktyur awurman

Aseqdec akliniki
Adiyagnustik d biyumetri

Tazwert taddayt n usfir
-20 D

Iɣbula d yisemliyen

Tazwert tafellayt n usilindr
8 D

Iɣbula d yisemliyen

Tuqqna
Ethernet · PoE · Bluetooth · USB

Inermisen n unagraw; imallalen ur ttwaḥsaben ara d ayen i d-yettunefken.

Iɣbula d yisemliyen

Tilisa n useggem
Amecwar gar tpupilin n wallen 48–80 mm; asersi n tenza 0–20 mm; teɣzi n tpupilt n tiṭ 0–13 mm

Iɣbula d yisemliyen

Asaɣ n trisiti
100–240 V AC ; 50–60 Hz

Iɣbula d yisemliyen

Tisekta

309 × 75 × 235 mm

Ixef kan; amecwar gar wallen 64 mm.

Iɣbula d yisemliyen

Taẓayt

3.3 kg

Ixef kan.

Iɣbula d yisemliyen

Inermisen n unagraw; imallalen ur ttwaḥsaben ara d ayen i d-yettunefken.

Ixef kan; amecwar gar wallen 64 mm.

Ixef kan.



Refractor 900 · Tugna

Iɣbula d yisemliyen



Refractor 900 · Tugna

Iɣbula d yisemliyen

Asider d yiɣbula

Isemliyen n umeskar

PDF · 6,735 kB

Iɣbula d yisemliyen

- https://haag-streit.com/2%20Products/General%20diagnostics/Refraction%20devices/refractor-900/instructions-for-use/english/1500_7221069_02010_IFU_Refractor_900_01_en_web.pdf
  Aɣbalu yettwasentem ass n 2026-10-05
- https://haag-streit.com/en/products/categories/general-diagnostics/refraction-devices/refraction-900
  Aɣbalu yettwasentem ass n 2026-10-06
- https://haag-streit.com/2%20Products/General%20diagnostics/Refraction%20devices/refractor-900/brochures/english/BRO_Refractor_900_1511_7021017_02020_WEB.pdf
  Aɣbalu yettwasentem ass n 2026-10-06

- https://haag-streit.com/en/products/categories/general-diagnostics/refraction-devices/refraction-900
  Aɣbalu yettwasentem ass n 2026-10-17
- https://haag-streit.com/en/products/categories/general-diagnostics/refraction-devices/refraction-900
  Aɣbalu yettwasentem ass n 2026-08-30
- https://haag-streit.com/2%20Products/General%20diagnostics/Refraction%20devices/refractor-900/instructions-for-use/english/1500_7221069_02010_IFU_Refractor_900_01_en_web.pdf
  Aɣbalu yettwasentem ass n 2026-10-18
- https://haag-streit.com/2%20Products/General%20diagnostics/Refraction%20devices/refractor-900/instructions-for-use/english/1500_7221069_02010_IFU_Refractor_900_01_en_web.pdf
  Aɣbalu yettwasentem ass n 2026-10-18
- https://haag-streit.com/2%20Products/General%20diagnostics/Refraction%20devices/refractor-900/instructions-for-use/english/1500_7221069_02010_IFU_Refractor_900_01_en_web.pdf
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- https://haag-streit.com/2%20Products/General%20diagnostics/Refraction%20devices/refractor-900/instructions-for-use/english/1500_7221069_02010_IFU_Refractor_900_01_en_web.pdf
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- https://haag-streit.com/2%20Products/General%20diagnostics/Refraction%20devices/refractor-900/instructions-for-use/english/1500_7221069_02010_IFU_Refractor_900_01_en_web.pdf
  Aɣbalu yettwasentem ass n 2026-10-18
- https://haag-streit.com/2%20Products/General%20diagnostics/Refraction%20devices/refractor-900/instructions-for-use/english/1500_7221069_02010_IFU_Refractor_900_01_en_web.pdf
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- https://haag-streit.com/2%20Products/General%20diagnostics/Refraction%20devices/refractor-900/instructions-for-use/english/1500_7221069_02010_IFU_Refractor_900_01_en_web.pdf
  Aɣbalu yettwasentem ass n 2026-10-18
- https://haag-streit.com/2%20Products/General%20diagnostics/Refraction%20devices/refractor-900/instructions-for-use/english/1500_7221069_02010_IFU_Refractor_900_01_en_web.pdf
  Aɣbalu yettwasentem ass n 2026-10-18

Isteqsiyen-nwen ɣef Refractor 900

D acu Tazwert taddayt n usfir iɣef llan yisemliyen n Refractor 900?

-20 D

Iɣbula d yisemliyen

D acu Tazwert tafellayt n usilindr iɣef llan yisemliyen n Refractor 900?

8 D

Iɣbula d yisemliyen

Anta tawila i ilaq ad sentmeɣ i Refractor 900?

Inermisen n unagraw; imallalen ur ttwaḥsaben ara d ayen i d-yettunefken.

Iɣbula d yisemliyen

Anda ara afeɣ isemliyen n Refractor 900?

Isemliyen n umeskar (PDF) — https://asem-medical.com/storage/catalogue-enrichment/haag-streit-remaining-20261006/refractor900-original.pdf

Iɣbula d yisemliyen

Refractor 900 yektil refraksiyon s wudem amsari?

Aseqdec i d-yettwasegzan d refraksiyon tusbiktant; yezmer ad d-yekter iktilen imsariyen i d-yekkan seg yibenkan-nniḍen.

Iɣbula d yisemliyen

Aprizm yella deg yal ixef?

Ala. Tinadin ḥeṛṣent tulmist-a i lqem Refractor 900 s uprizm kan.

Iɣbula d yisemliyen

Acḥal n yiferdisen igejdan i ilaq ad ttwasbedden?

Anagraw yesɛa ixef n foropter, Control Panel d Central Unit; maččі d kraḍ n yibenkan n uktil ilelliyen.

Iɣbula d yisemliyen

Ifarisen icudden



HDR-7100P

Huvitz

Aktazal n tɣuri s tririt n umuḍin

Arifraktur i ukayad asaguran seg lbeɛd d lqerb.

Wali afaris



HDR-9000

Huvitz

Aktazal n tɣuri s tririt n umuḍin

Arifraktur umḍin i ukayad asaguran d usiweḍ n yikaten.

Wali afaris

Wali akatalug akliniki n ASEM

Wali taɣulin icudden deg ukatalug ASEM. Iseɣwan-a ur rennun ara isnasen imaynuten i yibenk-a.

Asenqed d biyumetri

Ugar n yibenk, d amɛiwen i wakud ɣezzifen

Mmeslay ɣef usenfar-ik akked ASEM: afran n yibenkan, asbeddi, asileɣ d tallalt tatiknikant.



Tugna n umeẓlu

Asbeddi

Mmeslay ɣef yisuturen n usbeddi d twila akked terbaɛt-nneɣ tatiknikant.

Issin ugar



Tugna n umeẓlu

Asileɣ

Suter isallen ɣef usileɣ d ulmad n useqdec yellan i yibenk-ik.

Issin ugar



Tugna n umeẓlu

Ameẓlu deffir uznuzu

Nermes ASEM i tallalt tatiknikant d umɛiwen i yibenk-ik.

Issin ugar



Tugna n umeẓlu

Anṣaḥ n yimussnawen

Mmeslay-aɣ ɣef yisuturen-ik iklinikiyen i wakken ad nefren ibenkan iwulmen.

Issin ugar

Nermes amussnaw

Wali akk ifarisen

Asmel n umeskar

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