Aktazal n tɣuri s tririt n umuḍin

HDR-9000

Arifraktur umḍin i ukayad asaguran d usiweḍ n yikaten.

HDR-9000 n Huvitz d afuruptur umḍin yettesdukkul tatiknuluji tanernant d tergonomi. Telqay d twuriwin-ines ttwaheggant i usebɣer n yikayaden, adiyagnustik d lehna n yimuḍan.



HDR-9000 · Tugna

Iɣbula d yisemliyen

Suter tasɣunt n ssuma

Wali afaris

Tettwahegga ass n 2026-11-10

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

Iferdisen igejdan

Rifraksyun tasagurant

SPH seg −29 ar +26,75 D i ukayad n tmugli.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-05

Aseɣti aprizmatik

Tazmert taprizmatikt alamma 20 Δ.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-05

Tuqqna war tineɣrist

Asemmeskel n yisefka s Wi-Fi neɣ RS-232.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-05

Nhu rifraksyun n umuḍin

Abrid i d-yettwaskanen yesuddes timellilin n rifraksyun d yifrangen n umassan.



HDR-9000 · Tugna

Iɣbula d yisemliyen

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

Aḥkam seg unermis alemmas

Inadiyen igejdan dduklen i usemẓi n yiḥbas deg ukayad.



HDR-9000 · Tugna

Tugna n umeskar. Tawila yettwaskanen tezmer ad temgarad ɣef tin ara d-yettunefken.

Iɣbula d yisemliyen

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

Serwes iseɣtayen

Askan yettwasuddesen yeshel aserwes n yifrangen akked umuḍin.



HDR-9000 · 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

Ṣeggem agellus d tnezmart n usilindr

HDR-9000 yesɛa tilentiyin Jackson Cross Cylinder d Dual Cross Cylinder. Abeddel n tlentiyin yeshel aserwes asubjiktif n ugellus d tnezmart n astigmatism.

- Asilindr imṣallaben Jackson.
- Dual Cross Cylinder i userwes.



HDR-9000 · Tugna

Iɣbula d yisemliyen

Iɣbula d yisemliyen

HDR-9000: abrid amaynut n udiɣnustik n wallen

HDR-9000 n Huvitz d afuruptur umḍin yettesdukkul tatiknuluji tanernant d tergonomi. Telqay d twuriwin-ines ttwaheggant i usebɣer n yikayaden, adiyagnustik d lehna n yimuḍan.

Tulmisin tigejdan

1. Tatiknuluji tumḍint tanernant:
Abeddel yeshilen gar yifrangen n useɣti n twali i yigmaḍ iṣeḥḥan, iruraden.

2. Agdil anallay ameqqran, yeshilen:
Agdil s tifrat ɛlayen yeshel anadi d uḥkam n yisefka i udiɣnustik yeshilen.

3. Tuqqna d usidef:
Asdukkel yeshilen akked yirifraktumitren d yibenkan-nniḍen Huvitz i usuddes n yisefka d umseḍfer.

4. Iseggimen iwurmanen i yettuseggamen:
HDR-9000 yeseggem isefka s wudem awurman, yezmer ad yettwasgunfu i yisuturen n yal amuḍin.

5. Lehna ugar i yimuḍan:
Taɣessa iwulmen d useqdec afessas tesrus aɛeyyu n umuḍin deg yikayaden ɣezzifen.

Tulmisin titiknikanin tigejdan

Tamuɣli yettwakayaden: seg lebɛid, seg lqerb d tlemtast.
Tuqqna akked tlentiyin tisedduklanin: ih, s useggem n yimyellelen.
Ikar n ukayad: twali, snat n wallen d rifraksyun s telqay.
Tuqqna: akked yinagrawen EMR d yibenkan Huvitz.

Iferdisen n unfaɛ i yimassanen

Ikayaden iwulmen: rbeḥ akud s umahil awurman d unermis arurad.

Adiyagnustik yelhan ugar: igmaḍ yettwasnasen ugar, i yezemren ad d-uɣalen, i uḍfar n yimuḍan.

Aseqdec iwulmen i umuḍin: aɛeyyu n wallen yenqes, lehna tesnerni deg yikayaden i rṛḍa n umuḍin.

HDR-9000: amɛiwen-ik atiknuluji n yal ass

Snerni amahil-ik s HDR-9000. Afuruptur-a umḍin yesdukkel amaynut n tdawsa n wallen d tzemmar i yisuturen n yimassanen d yimuḍan.

I wakken ad yishil ubrid n umahil

Suddus akayad s 21 n tneqqiḍin

Amseḍfer n 21 n tneqqiḍin yesdukkel imecwaṛen n rifraksyun. Azalen ttwaseknen d tifelwin d wudmawen deg ugdil n unadi i userwes akked umuḍin.

- Amseḍfer n rifraksyun yettwasuddes s 21 n tneqqiḍin.
- Asekyed n wazalen deg ugdil n unadi.



HDR-9000 · Tugna

Tugna n umeskar. Tawila yettwaskanen tezmer ad temgarad ɣef tin ara d-yettunefken.

Iɣbula d yisemliyen

Iɣbula d yisemliyen

I useqdec n yal ass

Ṣeggem talɣa n tɣimit i tamuɣli n lqerb

Iqerruy yettẓellaɣ ar 45° i umahil n lqerb. Aseggem n teɣzi n yiwet n tiṭ s ±3 mm yemṣada imukan n sin n yikemmḍen n wallen.

- Aẓlaɣ n uqerruy ar 45° i umahil n lqerb.
- Aseggem n teɣzi n yiwet n tiṭ s ±3 mm.

Iɣbula d yisemliyen

Awi isefka n tesɣunt n rifraksyun

Aseɣwen war agatu yesdukkel igmaḍ n yibenkan Huvitz yemṣadan i uheggi n ukayad asubjiktif.

Ilmend n twila

- Asemmeskel yettwaseknen akked awturifraktukiratumitr.
- Aseɣwen akked ufuksimetr HLM-9000.



HDR-9000 · Tugna

Iɣbula d yisemliyen

Iɣbula d yisemliyen

Isallen itiknikanen d yisemliyen

Ticreḍt
Huvitz

Anaw
HDR-9000

Tatiknuluji
Arifraktyur / arifraktyur awurman

Aseqdec akliniki
Adiyagnustik d biyumetri

Tazwert taddayt n usfir
-29 D

Akayad amagnu; tilisa imeẓyanen deg yikayaden XC / iprizmen.

Iɣbula d yisemliyen

Tazwert tafellayt n usfir
26.75 D

Akayad amagnu.

Iɣbula d yisemliyen

Tazwert tafellayt n usilindr
8.75 D

Iɣbula d yisemliyen

Aprizm afellay
20 Δ

Iɣbula d yisemliyen

Tuqqna
Wi-Fi · RS-232

Iɣbula d yisemliyen

Tilisa n useggem

Akna 45°; teɣzi i yiwet n tiṭ ±3 mm

Iɣbula d yisemliyen

Asaɣ n trisiti

100–240 V AC ; 50–60 Hz

Iɣbula d yisemliyen

Tisekta

329 × 103 × 296 mm

Ixef n urifraktyur kan; agdil d tbwaḍt ur dduklen ara.

Iɣbula d yisemliyen

Taẓayt

4.2 kg

Ixef n urifraktyur kan.

Iɣbula d yisemliyen

Akayad amagnu; tilisa imeẓyanen deg yikayaden XC / iprizmen.

Akayad amagnu.

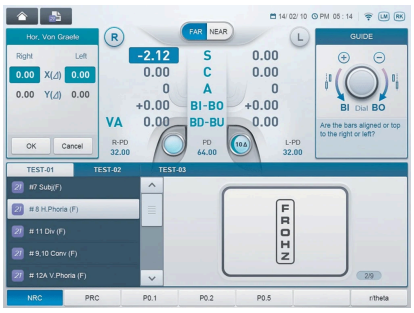
Ixef n urifraktyur kan; agdil d tbwaḍt ur dduklen ara.

Ixef n urifraktyur kan.



HDR-9000 · Tugna

Iɣbula d yisemliyen



HDR-9000 · Tugna

Tugna n umeskar. Tawila yettwaskanen tezmer ad temgarad ɣef tin ara d-yettunefken.

Iɣbula d yisemliyen



HDR-9000 · Tugna

Iɣbula d yisemliyen

Asider d yiɣbula

- https://huvitz.com/wp-content/uploads/2024/09/HDR-9000_8p_eng_20180330.pdf
  Aɣbalu yettwasentem ass n 2026-10-05
- https://huvitz.com/ko/product/hdr-9000/
  Aɣbalu yettwasentem ass n 2026-10-05
- https://huvitz.com/en/product/hdr-9000/
  Aɣbalu yettwasentem ass n 2026-08-30
- https://huvitz.com/ko/product/hdr-9000/
  Aɣbalu yettwasentem ass n 2026-10-18

Isteqsiyen-nwen ɣef HDR-9000

D acu Tazwert taddayt n usfir iɣef llan yisemliyen n HDR-9000?

-29 D — Akayad amagnu; tilisa imeẓyanen deg yikayaden XC / iprizmen.

Iɣbula d yisemliyen

D acu Tazwert tafellayt n usfir iɣef llan yisemliyen n HDR-9000?

26.75 D — Akayad amagnu.

Iɣbula d yisemliyen

Anta tawila i ilaq ad sentmeɣ i HDR-9000?

Akayad amagnu; tilisa imeẓyanen deg yikayaden XC / iprizmen.

Iɣbula d yisemliyen

Anta ibenkan i yettwasbadun i usiweḍ Wi-Fi?

Ameskar isbadu asemmeskel n yisefka akked awturifraktukiratumitr-is d HLM-9000. Ibenkan d umṣada akked uẓeṭṭa n texxamt n ukayad ilaq ad ttusbadun deg twila.

Iɣbula d yisemliyen

Amek iqerruy yettemṣada i ukayad n lqerb?

Yettẓellaɣ ar 45°. Aseggem n teɣzi n yiwet n tiṭ s ±3 mm isuddus daɣen ikemmḍen ilmend n wallen.

Iɣbula d yisemliyen

I wacu tettusemras timeskant n 21 n tneqqiḍin?

Tesdukkel amseḍfer n rifraksyun, teskan azalen deg tfelwin d wudmawen deg ugdil n unadi i usekyed deg ukayad.

Iɣbula d yisemliyen

Ifarisen icudden



Refractor 900

Haag-Streit

Aktazal n tɣuri s tririt n umuḍin

Arifraktur i ukayad n rifraksyun d tuqqna n yisefka.

Wali afaris



HDR-7100P

Huvitz

Aktazal n tɣuri s tririt n umuḍin

Arifraktur i ukayad asaguran seg lbeɛd d lqerb.

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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Lqem n yisemli: c0f083ee39f9