Aktazal n tɣuri s tririt n umuḍin

HDR-7100P

Arifraktur i ukayad asaguran seg lbeɛd d lqerb.

Asilindr imḍan aḍran s urured n 30 % ugar yettaǧǧa ikaten iruraden, iṣeḥḥan n yastigmatism d ugellus n usilindr. Ikayaden n pribyupi d myupi zemren ad ttwaxedmen deg tlemmast n ṭṭaq n HDR-7100P.



HDR-7100P · Tugna

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-18

Suter tasɣunt n ssuma

Wali afaris

Tettwahegga ass n 2026-11-28

> 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

Tamugli n lqerb

Lbeɛd n umahil yettuseggam seg 35 ar 70 cm.

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

Tiwuriwin deg usnas

Rifraksyun n umuḍin

Iɣbula d yisemliyen

Snirem iseɣta n sfer d usilindr

Tagrumma tamagnut n sfer d −29 ar +26.75 D, asilindr ar ±8.75 D. Tawriqt tesbadu tagrumma n sfer i yettwaqessen deg yikayaden s usilindr imṣallaben neɣ s prizm.

- Sfer amagnu: −29 ar +26.75 D.
- S usilindr imṣallaben neɣ prizm: −19 ar +16.75 D.

Iɣbula d yisemliyen

Fren talentit n ritinuskupi

Tilentiyin timernanin ḥessbent amecwar n umahil i yettusemrasen deg ritinuskupi.

- Talentit +1.5 D i umecwar n 67 cm.
- Talentit +2.0 D i umecwar n 50 cm.

Iɣbula d yisemliyen

Arifraktyur 7100P

Aseggem n PD n yiwet n tiṭ i rifraksyun tusligt. HDR yezmer ad isenqed asers n umuḍin s umassas yedduklen deg usersi n yixef.

Tilisa n ukat

Talentit tasferant:

Tilisa timagnutin: -29,00D ar +26,75D.
Deg yikayaden yimḍanen neɣ iprizmen (XC): -19,00D ar +16,75D.
Isurifen yellan: 0,12D / 0,25D / 0,5D / 1D / 2D / 3D / 4D.
Talentit tasilindrant:

Tilisa: 0,00D ar ±8,75D.
Isurifen yellan: 0,25D / 0,5D / 1D / 2D / 3D.
Agellus n usilindr:

Tilisa: 0˚ ar 180˚.
Isurifen yellan: 1˚ / 5˚ / 15˚.
Amecwar gar tpupilin n wallen (PD):

Tilisa: 48 mm ar 80 mm.
Isurifen yellan: 0,5 mm / 1 mm.
PD i twali n lqerb: 50 mm ar 74 mm.
Amecwar n umahil i twali n lqerb:

Tilisa: 35 cm ar 70 cm.
Talentit aprizmatik yettuzzuyun:

Tilisa: 0△ ar 20△.
Isurifen yellan: 0,1△ / 0,2△ / 0,5△ / 1△ / 2△.
2. Tilentiyin tusligin:

Asilindr imḍan:

±0,25D.
±0,50D.
Talentit tebḍan s uprizm ±0,25D (asilindr imḍan aḍran).
Talentit n retinusku:

Ifranen: +1,5D / +2,0D.
Imecwaṛen yemṣadan: 67 cm (i +1,5D) d 50 cm (i +2,0D).

Anagraw n talɣut i tklinikin

• Tinasant yemden n uẓeṭṭa:
Asdukkel d usuddes deg yiwen n wadeg i unagraw n talɣut iwulmen.
• Inermisen imaynuten i usbeddi yeshilen:
Tuqqna akked yibenkan yemgaraden i yisuturen yemgaraden.
• Tuqqna n yibenkan n usenfel:
Asdukkel akked yisenfalen, tifelwin n twali d LCD.
Tuqqna s tinelli neɣ war tinelli i ufran yewseɛen.
• Asuddes yedduklen n yisefka:
Anermis n tuqqna akked PC i usdukkel n yisefka n yimuḍan.
Yeshel abrid n umahil s usuddes deg yiwen n wadeg.
• Tuqqna iwulmen n waṭas n yinagrawen:
Tuqqna n yibenkan am urifraktumitr/keratumitr awurman d ulansmitr awurman.
Asebḍu n tuqqniwin gar yinagrawen umḍinen i usemẓi n yisumak d yibenkan ilaqen.
• Asebḍu n yisefka deg yiwen n wakud:
Asuddes d uḥkam iwulmen n twennaḍt n ukayad n rifraksyun.
Amɛiwen gar yibenkan d yinagrawen.
• Tanezzut tanernant:
Tinasant i tnezzut n yisumak d umahil deg tklinikin timaynutin.

Tagrumma yedduklen n tugniwin

Tugniwin n ukayad n yiniten, aẓeṭṭa Amsler, tifelwin n twali n lqerb, amnir n tlentiyin tisedduklanin d uzenziɣ n tiṭ d rifraksyun ttağğan iɣbula n twali i ukayad iṣeḥḥan, ifazen deg yisallen.

I wakken ad yishil ubrid n umahil

Serwes s Dual Cross Cylinder

Tilentiyin n usilindr imṣallaben sɛant ±0.25 D d ±0.50 D, d Dual Cross Cylinder i yettwaferzen s prizm.
Iprizmen i yettuzurun ɣummun 0–20 Δ.

- Isilindren imṣallaben ±0.25 D d ±0.50 D.
- Iprizmen i yettuzurun seg 0 ar 20 Δ.

Iɣbula d yisemliyen

I useqdec n yal ass

Heggi akayad n lqerb

Amecwar n umahil n lqerb yettuseggam seg 35 ar 70 cm. Tawriqt tesbadu amecwar gar teberracin 48–80 mm d tagrumma tusligt n lqerb 50–74 mm.

- Amecwar n umahil n lqerb seg 35 ar 70 cm.
- Amecwar gar teberracin deg lqerb seg 50 ar 74 mm.

Iɣbula d yisemliyen



HDR-7100P · Tugna

Iɣbula d yisemliyen

Isallen itiknikanen d yisemliyen

Tazwert taddayt n usfir
-29 D

Akayad amagnu.

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

Tilisa n useggem
Amecwar gar tpupilin n wallen 48–80 mm; amecwar n lqerb 35–70 cm

Iɣbula d yisemliyen

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

Iɣbula d yisemliyen

Tisekta
368.7 × 106.4 × 345.5 mm

Ixef n urifraktyur kan.

Iɣbula d yisemliyen

Taẓayt
4.2 kg

Ixef kan, agdil d tbwaḍt ur dduklen ara.

Iɣbula d yisemliyen

Akayad amagnu.

Ixef n urifraktyur kan.

Ixef kan, agdil d tbwaḍt ur dduklen ara.

Asider d yiɣbula

- https://huvitz.com/wp-content/uploads/2024/10/20230721_HDR-7100P_kor_catalog_v1_.pdf
  Aɣbalu yettwasentem ass n 2026-10-05
- https://huvitz.com/wp-content/uploads/2024/10/20230721_HDR-7100P_kor_catalog_v1_.pdf
  Aɣbalu yettwasentem ass n 2026-10-18

Isteqsiyen-nwen ɣef HDR-7100P

D acu Tazwert taddayt n usfir iɣef llan yisemliyen n HDR-7100P?

-29 D — Akayad amagnu.

Iɣbula d yisemliyen

D acu Tazwert tafellayt n usfir iɣef llan yisemliyen n HDR-7100P?

26.75 D — Akayad amagnu.

Iɣbula d yisemliyen

Anta tawila i ilaq ad sentmeɣ i HDR-7100P?

Akayad amagnu.

Iɣbula d yisemliyen

Tagrumma n sfer teqqim kifkif s yiprizmen?

Ala. Tawriqt tesbadu −29 ar +26.75 D i ukayad amagnu d −19 ar +16.75 D i ukayad s usilindr imṣallaben neɣ prizm. Afraz-a ilaq ad yeqqim deg uneggaf.

Iɣbula d yisemliyen

Anta tilentiyin n ritinuskupi i yettwaseknen?

Isuturen sbadun +1.5 D i 67 cm d +2.0 D i 50 cm. Afran yemṣada akked umecwar n umahil n umussnaw.

Iɣbula d yisemliyen

Anta iɣewwaren i yeɛnan kan tamuɣli n lqerb?

Amecwar n umahil d 35 ar 70 cm, amecwar gar teberracin deg lqerb d 50 ar 74 mm. Ilaq ad ttwaferzen ɣef tegrumma tamatut 48–80 mm gar teberracin.

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-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 tayulin 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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