Einheitsdoppelfernrohr EDF 7x40 oB


EDF 7x40 oB



Mint - out of arsenal stock and never issued to the troops

- Without radioactive reticle illumination (Tritium-Element) - EDF 7x40 *oB (without lighting)*
- Slip-on *grey-filters* in separate box
- Including DV *Description and Usage*

Rating: Not Rated Yet
Price:

Ask a question about this product

Manufacturer: Carl Zeiss Jena

Description

Attributes and Designation from *Description and Usage*

Quote by *Description and Us*age:
"The dust- and waterproof EDF 7x40 oB is destined for usage under hamepred climatic conditions of field deployment."

- Roof Prism Design
- Individually Focusing Oculars
- Spectacle Wearers Oculars
- Metal Housing
- Strong Rubber Armouring
- Down-foldable Rubber Eye Cups
- Waterproof and Dustproof
- Shock Proof
- Reticle
- Infrarotaufklärungshilfe

Specifications from *Description and Usage*

Magnification	7-times
Entry Pupil Diameter	40 mm
Exit Pupil Diameter	5.7 mm
Eye Relief	> 20 mm
Field of Vision on 1000 m	7° 30´ o. 131 m
Gloaming Index	32.65
Gloaming Rate	16.7
Dioptrien Adjustment	+- 7 dpt
Pupillary Distance Setting	< 60-75 mm
Weight	1000 g

The rotational tests at the periodical reconditioning are very interesting.
Test conditions in extracts from "A 050/1/501 Einheitsdoppelfernrohr 7x40 reconditioning" from 1982

- Leak tightness
  Over pressure test: Pressure inside 50,7 kPa (this means low head 5 m)
  Specification: Pressure drop not allowed
- Low head test
  Low head: 1 m
  Water temperature: 10 - 15 °C lower than unit temperature (this means underpressure inside the unit)
  Check-out time: 1 h
  Specification: No water nor fog inside
- Drop test

Drop height: 0,75 m
Direction: 1 drop straight horizontal on broadside

- Hit test
  Acceleration: 15 g
  Pulse duration: 5 - 10 ms
  Direction: 250 hits vertical on objective, 150 hits straight horizontal on broadside, 150 hits straight horizontal on narrow side
- Hit test
  Acceleration: 120 g
  Pulse duration: 1 - 5 ms
  Direction: 2 hits vertical on objective, 4 hits straight horizontal on broadside, 4 hits straight horizontal on narrow side
- Vibration stress
  Frequency range: 30 - 80 Hz
  Acceleration: 6 g
  Check-out time: 2 h vertical on objective side, 1 h straight horizontal on broadside, 1 h straight horizontal on narrow side
- Cold resistance
  -50 °C, Check-out time 2 h, after unit equalization of requested temperature, rubber parts to -40 °C
- Heat resistance
  +60 °C, Check-out time 2 h, after unit equalization of requested temperature
  Specification: No loss of grease
- Cyclic temperature test
  Upper temperature: +60 °C
  Lower temperature: -50 °C
  Check-out time: 5 cycle every 2 h
  Specification: No loss of grease
- Storage temperature
  +80 °C, Check-out time 1 h, after unit equalization of requested temperature
  Specification: No loss of grease
- Sea water resistance
  Temperature: +27 °C
  Check-out time: 168 h
  Compounding: sodium chloride 27 g/l, magnesium chloride 6 g/l, calcium chlorid (free of water) 1 g/l, potassium chlorid 1 g/l
  Specification: No corrosion