



INFRARED VIEWERS ABRIS-M

PRODUCT FEATURES

- ▲ Spectral region 350 - 2000 nm
- ▲ Hand-held device
- ▲ Battery or DC powered
- ▲ Up to 35 hours continuously working
- ▲ Pulsed and CW light detection

APPLICATIONS

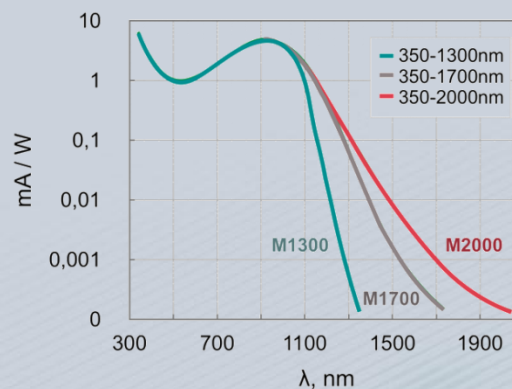
- ▲ Laser alignment and safety
- ▲ Semiconductors inspection
- ▲ Forensics and art restoration
- ▲ Photo processing
- ▲ Thermal imaging

SCOPE OF SUPPLY

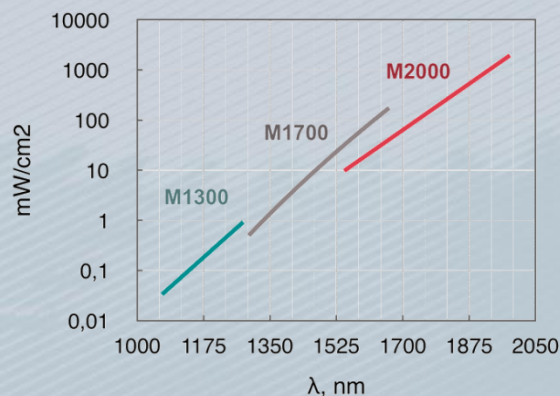
- ▲ IR viewer
- ▲ Lens F1.4/25mm or F1.8/50mm with internal iris
- ▲ C-mount ring (Abris-M-1 only)
- ▲ Macro ring (ABRIS-M-2 only)
- ▲ Handle, battery and case

The infrared viewer ABRIS-M is based on a high-grade image converter and designed to observe indirect radiation of infrared lasers, light emitting diodes (LED), dyes and other IR-sources in the 350 - 2000 nm spectral region. The lightweight, compact device is designed for hand-held use. This device allows viewing continuous as well as pulsed laser radiation.

SPECTRAL SENSITIVITY



POWER DENSITY



Required minimum power density at 1 m distance

SPECIFICATIONS

Model	ABRIS-M-1300-1	ABRIS-M-1700-1	ABRIS-M-2000-1	ABRIS-M-1300-2	ABRIS-M-1700-2	ABRIS-M-2000-2
Spectral sensitivity (nm)	350 - 1300	350 - 1700	350 - 2000	350 - 1300	350 - 1700	350 - 2000
Resolution (center)	60 L/mm					
Field of view	40°			20°		
Magnification	1X			2X		
Objective lens ¹⁾	F1.4/25mm			F1.8/50mm		
Adjustable iris	Included					
Focus	0.1 m to inf			0.5 m to inf (0.15 m with macro ring)		
Working distance of lens	12.5 (+/-0.2) mm					
Battery type	1.5V, 1xAAA					
Battery life (continuous)	35 hours					
External power supply	DC 3V, 30 mA					
Weight	0.38 kg			0.42 kg		
Dimensions	140x78x52 mm ³			145x78x52 mm		
Temperature range	-10°C ... 40°C					
Tripod or handle connection	R" 1/4"					

1) Lenses F1.4/25mm and F1.8/50 are exchangeable

AVAILABLE ACCESSORIES

- ▲ Neutral density filter to lens F1.4/25mm or F1.8/50mm (3-5% @ 1064 nm)
- ▲ Lens F1.4/25mm or F1.8/50mm
- ▲ Tripod
- ▲ Face-mask for hands-free operation
- ▲ Macro ring
- ▲ C-mount adapter for any C-mount lens
- ▲ Microscope adapter
- ▲ IR illuminator (940nm, 850nm)