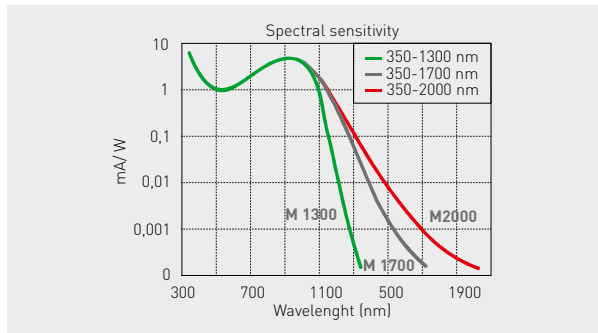


Infrared (IR) viewers ABRIS M



Infrared (IR) viewers are used to observe, register, and record both indirect and direct radiation of IR lasers, light emitting diodes (LED's), dye and other IR-sources. It is ideal for IR-laser beam alignment and inspection, optical fiber alignment, telecommunications, solar panel inspection, photo processing, surveillance and investigation in botany, biophysics, medicine, forensics and art restoration, infrared microscopy, fluorescence etc. High performance image conversion infrared (IR) viewers based on high-grade image converter are designed to observe indirect radiation of infrared laser, light emitting diodes (LED), dye and other IR-sources in 350–2000 nm spectral

range. (IR) Infrared viewer is based on a first-generation high-grade image converter that has an electro-static focusing system, photocathode S-1+ with an increased concentration of oxygen and screen of type P-20 with the maximum of luminescence at 550 nm. Infrared viewer focus emitted or reflected light from a chosen object into the image tube where the electron image is generated. When powered (with a battery or power supply) the 16-18 kV voltage is generated to accelerate the electron image towards the phosphor screen at the output. The fluorescent green light output (550 nm) is observed via an adjustable eyepiece lens.

Main features

- Spectral region 350-2000 nm
- Resolution 60 Lp/mm
- Hand-held / post mounted
- Battery + DC powered
- Up to 35 hours continuous working
- Pulsed and CW light detection

Application examples

- Laser alignment and safety
- Semiconductor inspection
- Forensics and art restoration
- Solar cell inspection

Specifications

IR-VIEWERS ABRIS M SERIES SPECIFICATIONS	
Resolution (centre)	60 Lp/mm
Working distance of lens	12,5 (+/-0,2) mm
Battery	1,5V, 1x "AAA" size
Non-uniformity of screen	< 20 %
Non-uniformity of response	< 15 %
Distortion of image	<18 %
Battery life (continuous)	35 hours
External power supply	DC 3V, 30 mA
Weight	0,4 kg
Dimensions	140 x 78 x 52 mm
Temperature range	-10 °C ... 40 °C
Tripod or handle connection	R"1/4"

Standard products

FIELD OF VIEW	MAGNIFICATION	OBJECTIVE LENS	ADJUSTABLE IRIS	FOCUS	SPECTRAL SENSITIVITY	SKU	PRICE
40°	1X	F1,4/25 mm	Included	0,15m (0,05m) to inf, (with distance ring)	350-1300 nm	7654	1420 €
					350-1700 nm	7404	1490 €
					350-2000 nm	7655	1590 €
20°	2X	F1,8/50 mm	Included	0,5m (0,15m) to inf, (with distance ring)	350-1300 nm	7656	1470 €
					350-1700 nm	7657	1570 €
					350-2000 nm	7658	1680 €