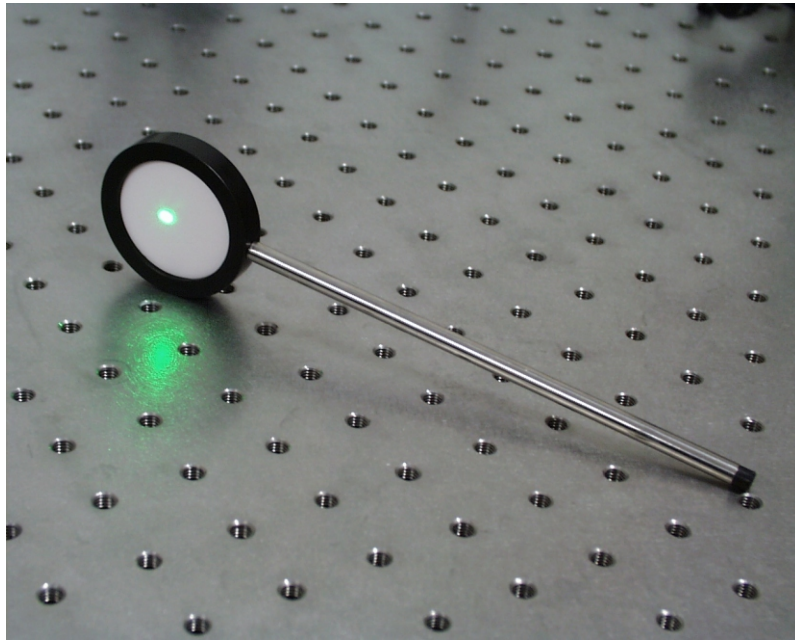


INFRARED-TO-VISIBLE CONVERTER



A new type of infrared-to-visible converter for CW and pulsed Nd:YAG lasers and IR laser diodes is now available. It is based on a durable ceramic-like material and combines high sensitivity with high damage threshold. It is ideally suited to detect invisible IR-radiation, to identify mode structure, etc. Indispensable tool for every laboratory which uses Nd:YAG or other IR lasers. In contrast to many other conventional IR-to-VIS converters, this type does not need any sensibilization with day-light or UV-light and therefore it can be used in darkened rooms. It also features no deactivation of the irradiated area and therefore does not need to be displaced continuously.

The product line has been recently extended to include converters based on a efficient second-harmonic generation process, with usable wavelength region 750 nm to 1580 nm. This type of converter is suitable for Q-switched and modelocked lasers only.

SPECIFICATIONS:

IR-wavelength range:	IR1: 780 - 1100 nm, IR2: 1500 - 1550 nm
Emission:	Ir1: green ; IR2: orange
Sensitivity:	CW: 40 mW/cm ² Pulsed: 0.1 mJ/cm ²
Damage threshold:	CW: 500 W/cm ² Pulsed: 1 J/cm ²
Dynamic Range:	>100:1

Dimensions:

Type A:	40 mm active area, in a black anodized holder	Part#: IR-VIS-40-A
Type B:	15 mm active area, in a black anodized holder	IR-VIS-15-B
Type QS	30 mm active area, in a white anodized holder	IR-VIS-30-QS

A practical hint: in case you have damaged the surface of the active area, simply remove the upper layer using a fine file or sand paper. The new fresh surface is as good as the original one.

ATTENTION: Always use the converter with laser protecting goggles!

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