Gemstone Spectroscopes

Accurate gemstone analysis by means of light spectrum analysis

KL14-1504
Gem spectroscope with wavelength scale and fiber-optic-light source.

1501
Hand-held spectroscope with variable precision slit.

1504
Hand-held spectroscope with variable precision slit and wavelength scale.

Gem Testing Instruments

Test control instruments for discovering the fascinating variety of gemstones

- Proportionscopes
- Proportion eyepieces
- Digital gem gauges
- Dichroscopes
- Polariscope
- Filters
- Immersion liquids
- Tweezers

Polariscopes

KRÜSS polariscopes are quality instruments to identify single or double refracting stones quickly and accurately, to distinguish between natural and synthetic amethyst and to separate jade and chalcedony from glass. It also helps to detect strain in diamonds before cutting.

PK11
Polariscopes for LED10 and similar flashlights.

PK14
Polariscopes with stocholdder and conoscope lense. Illumination: 220 V, 10 W

Binocular Magnifying Glasses

These binocular magnifying glasses give you stereoscopic short distance viewing and leave your hands free for work. Optional with glasses frame for individual prescription lenses or aspherical halogen-lamp.

Loupes

Our range comprises more than 40 different precision loupes. They are equipped with high quality and distortion-free lenses. Magnification from 10X to 28X.

LUD 10-18
- Loupe 10X
- with darkfield
- recommended for flashlight LED10
Gem Travel Labs

**KA52KRS Professional Gem Travel Laboratory**
With selfexplanatory control panel for all illumination units (illustration see front page)

- Stereo-Zoom-Microscope KSW5000-K-W
- Cuvette table with cuvettes
- Darkfield
- Fiber Optic Light Source with LED illumination
- Stone holder
- Spectroscope 1504 with holder and scale illumination
- Polariscop

Beide Reiselabore werden in einem praktischen, stoßsicheren Aluminumkoffer geliefert.

**KA41KRS Standard Gem Travel Laboratory**

- Dichroscope
- Conoscope
- Gem refractometer ER601-NA with sodium filter
- UV long-wave lamp
- UV short-wave lamp
- Daylight lamp
- Refractive index liquid
- Battery (min 8 h)
- Stereo-Zoom-Microscope KSW5000-K-W
- Cuvette table with cuvettes
- Darkfield
- Fiber Optic Light Source with LED illumination
- Stone holder
- Spectroscope 1504 with holder and scale illumination
- Polariscop

You can find more information about our instruments directly in our webshop [www.kruess.com/shop](http://www.kruess.com/shop)

**Gem Zoom Microscopes**

Krüss microscopes with precision optics for professional gemology

**Optical features of KSW5000 and KSW8000:**

- Stageless magnification 7-45X, upgradable to 180X
- 360° revolving optical head with dioptic adjustment and adjustable eye distance 51-75 mm
- 10X plano eyepieces with diopter compensation

**KSW5000 series:**

- Transmitted and incident illumination
- Darkfield
- Stone holder
- Optional horizontal mounting with glass cuvette, cuvette table, polarisation feature and phototube

**KSW8000:**

- 90° inclinable und 360° rotatable
- Incident and transmitted LED illumination
- Additional fiber optic light
- Overhead fluorescent light
- Darkfield with iris diaphragm
- Stone holder
- Phototube

**Fiber Optic Light Sources**

Fibre Optic Light Sources for gemologists

**KSW4000:**

- Magnification 10X and 30X (optional up to 60X)
- 10X widefield eyepieces, 1X and 3X objectives
- LED incident and transmitted light, darkfield illumination
- Stone holder

Optional: horizontal mounting with glass cuvette and cuvette-table, light conductor (twin-arm), battery (approx. 24 h).

**KSW5000-T-K-W**

- Magnification 10X and 30X (optional up to 60X)
- 10X widefield eyepieces, 1X and 3X objectives
- LED incident and transmitted light, darkfield illumination
- Stone holder

**KSW8000:**

- 90° inclinable und 360° rotatable
- Incident and transmitted LED illumination
- Additional fiber optic light
- Overhead fluorescent light
- Darkfield with iris diaphragm
- Stone holder
- Phototube

**Gem Refractometers**

Reliable classification and quality control of gemstones

- **ER601**
  Professional gem refractometer with high quality precision optics.
- **ER604**
  Robust and compact standard gem refractometer.

**Precision Instruments „made in Germany“**

For over 200 years A.KRÜSS Optronic has been famous worldwide for innovative optic-electronic measuring instruments of the highest precision.

As the oldest company in this field, our target is to develop instruments which set new standards. With our products we aim to simplify testing and inspection tasks in laboratories or production facilities.

For this reason all instruments are user-friendly and can be operated intuitively.