

# Portable Spectrometer-Microscope Regula 5006

Regula  
forensic science systems



The portable spectrometer-microscope Regula 5006 is a versatile device that seamlessly combines the functionality of a spectrometer and an electronic microscope.

The spectrometer can operate in both the visible and UV ranges. The microscope enables users to achieve magnifications of up to 300x while maintaining excellent image quality, thanks to the built-in 11 MP camera. Additionally, the device is equipped with eight different light sources, significantly expanding its capabilities for various types of examinations.

With the Regula 5006, you can verify the authenticity of documents and banknotes by determining the printing method, detect additions and corrections, determine the sequence in which strokes were applied, perform spectral analysis of color characteristics, visualize of microtext created using blind embossing methods, check the quality of coin minting, etc.

[regulaforensics.com](http://regulaforensics.com)

# Specifications

## Regula 5006

### Light sources (modes)

- White
- Oblique white
- Coaxial white
- Frontal coaxial white
- White for 3D
- UV (365±10 nm)
- UV (405±10 nm)
- Wide range (400–850 nm)

### Spectrometer parameters

- Range of wavelength – 350–850 nm
- Resolution – not more than 5 nm
- Field of view range – 50-150 µm

### Optical system parameters

- Resolution – not less than 11 MP
- On-screen magnification for 32" display – from 100x up to 300x
- Optical zoom – 3x
- Maximum field of view –  $(4.8 \pm 0.5) \times (3,6 \pm 0.4)$  mm
- Minimum field of view –  $(1.6 \pm 0,2) \times (1.1 \pm 0.1)$  mm

### Technical specification

- Dimensions (L×W×H) – 125×75×155 mm
- Weight – 0.8 kg
- Power supply voltage –  $5 \pm 0.25$  V (USB port)
- PC connection interface – USB 3.2 (Type-C)

