

Chromatogram Inspection under UV Light

CAMAG®



CAMAG UV Lamp 4

The UV Lamp 4 is designed primarily for use in a TLC/HPTLC laboratory. Users benefit from a convenient one-button operation for each UV tube. In order to reduce the user's risk of UV radiation exposure, the UV Lamp 4 is equipped with two safety features: in addition to the built-in timer (which automatically switches off the lamp after 10 minutes) a tilt sensor automatically turns off the lamp in case the lamp is tilted more than 30 degrees. Beyond optimized handling and improved safety features, the UV Lamp 4 comes with a more homogeneous illumination and higher UV light intensity.

Key features

- Two UV tubes for illumination (1 × UV 254 nm, 1 × UV 366 nm, each 8 W)
- Convenient handling through one button operation for each UV tube
- Homogeneous illumination
- High level of user safety through tilt sensor and timer

Two types of UV light are required for inspecting chromatograms:

Long-wave UV light 366 nm

Under long-wave UV light fluorescent substances appear as bright, often differently colored zones, on a dark background. The sensitivity increases with the intensity of the UV light and also with the efficiency visible light is eliminated.

Short-wave UV light 254 nm

Under 254 nm UV light substances absorbing light of that wavelength appear as dark zones on a bright background, when the TLC/HPTLC layer contains a fluorescent indicator excited by UV 254 nm.

CAMAG UV Cabinet 4

The UV Cabinet 4, a combination of the UV Lamp 4 and the Viewing Box 4, is specially designed for UV observation with minimal influence of ambient light. Thanks to a compact footprint, the UV Cabinet 4 requires only minimum space. The observation port has a built-in UV filter in the viewing window ensuring effective eye protection. The interior is accessible via a roller shutter on the front.

Key features

- Chromatogram inspection with minimal influence of ambient light
- Eye protection through UV filter in the viewing window
- Minimum space requirements through compact footprint



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Ordering information

040.2000 CAMAG® UV Cabinet 4, incl. CAMAG® UV Lamp 4
and CAMAG® Viewing Box 4

022.9160 CAMAG® UV Lamp 4, 254/366 nm, 2 x 8 W

022.9060 CAMAG® Viewing Box 4