

HPLC
UHPLC

UV - VIS
MULTI WAVELENGTH
DETECTOR
DAD - 4L



- *UV-VIS detection*
- *Wavelength Range 190 -720 nm*
- *Up to 4 different wavelength simultaneously*
- *Low noise*
- *Low drift*
- *Different flow cells provide maximum flexibility*
- *Pre-aligned lamps*
- *Upgradeable to full Diode Array functionality*

DAD-4L UV-VIS MULTI WAVELENGTH-DETECTOR for HPLC and UHPLC

The new DAD-4L UV-VIS detector from BISCHOFF Chromatography allows you to collect UV-VIS data from up to 4 different wavelengths between 190 and 720 nm simultaneously. It is developed for conventional and fast HPLC as well as for UHPLC.

Specifications:

Optical System: Single-beam
Grating Flat field, 366 l/mm (center), blazed 220 nm
Number of diodes: 256

Data Rate max. 100 Hz

Wavelength Range 190 to 720 nm

Drift: < +/- 0.5 mAU/h at 254 nm

Drift compensation: by reference wavelength

Linearity: < 5 % RSD and corr. > 0.999 up to 1.99 AU

Noise: < +/- 8 µAU at 254 nm
Response time 2 s (according to ASTM
time constant approx. 1s) 7 nm bandwidth

Light Source: D2 - lamp (2000 h lifetime) pre-aligned, with elapsed hour counter
Halogen lamp. pre-aligned

Wavelength Accuracy: +/- 1 nm

Wavelength reproducibility +/- 1 nm

Measuring range 0.001 - 1.999 AU/FS

Auto zero range: - 0.001 - 1.999 AU

Analog Outputs 4, 0 - 1V/AU

External control via USB A, USB B, LAN

Display: 3 LEDs for status monitoring

Power requirements 85 - 260V, 50/60 Hz, max 150 W

Dimensions 155 x 260 x 480 mm (HxWxL)

Weight 7 kg

P/N: 1157 4000

For more information or to order:
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Available Flow cells

Micro Flow cell

Optical path 3 mm

Volume 1 µl

Analytical Flow cell

Optical path 10 mm

Volume 8 µl

Preparative Flow cell

Optical path 0.4mm

Volume 2 µl

Pressure limit
of the flow cells 5 MPa

