VISCOTEK **UV DETECTOR**

- MOLECULAR WEIGHT
- MOLECULAR SIZE
- MOLECULAR STRUCTURE

The Viscotek UV detector is a variable, single-wavelength UV detector for the measurement of the concentration of UV active samples including proteins.
It has a wavelength range from 190-500 nm. It has excellent sensitivity and a small footprint.

The detector is available as a stand-alone modular unit or as a unit with a flow cell mounted internally in the Viscotek TDA or HT-GPC systems and connected via fibre-optic cables.



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Part Number	Description
GPC5025	Single wavelength UV-detector & flow cell for connection to a modular GPC/SEC system
GPC2550	Single wavelength UV-detector with fiber-optic connections for a TDA or HT-GPC

Parameter	Specification
Detector type	Small variable single wavelength UV detector
Detection channels	1
Light source	Deuterium (D_2) lamp with integrated GLP chip
Wavelength range	190 - 500 nm
Spectral bandwidth	13 nm at Hα line (FWHM)
Wavelength accuracy	± 3 nm
Wavelength precision	0.7 nm (ASTM E275-93)
Noise	± 2.0 x 10^{-5} AU at 254 nm (ASTM E1657-98)
Drift	3.0 x 10^{-4} AU/h at 254 nm (ASTM E1657-98)
Linearity	> 2.0 AU at 270 nm (ASTM E1657-98)
Time constants	0.00 / 0.02 / 0.05 / 0.1 / 0.2 / 0.5 / 1.0 / 2.0 s
Flow cell	Included with standalone unit (GPC5025). Not included in fiber optic version (GPC2550). To add fiber optic version to an existing TDA (with no flow cell) use GPC5250.
Integration time	Automatic
Analog outputs	1 x ± 2.5 V scalable, 20 bit
Display	LED
Ambient conditions	Temperature range: 4 - 40 °C, 39.2 - 104 °F Humidity: below 90 % noncondensing
Power supply	External: input 100 - 240 V, output 24 V DC, 60 W
Dimensions	121 x 129 x 187 mm (W x H x D)
Weight	1.5 kg

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