

ECD2800

UV-VIS DETECTOR

This detector has continuously variable wavelength in the range of **190-800 nm** and noise level is $\pm 3 \cdot 10^{-6}$ AU.

The unit may be used for **analytical** applications as well as for **preparative/flash** chromatography, according to the selected cell.

It is easy to operate; light intensities for **reference and sample** channels are available for detector **diagnostics** as well as information on **lamp operating hours**. The detector performs **automatic wavelength calibration** after the lamp has been switched on. High standard **deuterium lamp** in a special socket enables **easy exchange**.



Output signal is available in both **digital and analogue** form. Detector could be controlled and used together with **Clarity** or **ECOMAC** software via **RS232** or **Ethernet** interface.

Cell could be easily removed from the front of the unit. Flow cell AC05 is included as component of the detector.

SPECIFICATION

TECHNICAL PARAMETERS

Wavelength range	190-800 nm
Spectral half-width	6 nm
Accuracy of adjustment	± 1 nm
Reproducibility	± 0.5 nm
Light source	Deuterium discharge lamp, halogen lamp
Noise (Test cell, 254nm, TC 1s, 10 Hz)	$\pm 3 \cdot 10^{-6}$ AU
Drift (Test cell, 254nm)	$1 \cdot 10^{-4}$ AU/hr.
Time constant	20 – 10 000 ms
Sampling speed	up to 100 Hz
Digital output	1 V/AU
Analog output	1x configurable
Wetted materials	depend on a cell – fused silica, PTFE, stainless steel, Vespel, PEEK
Communication	RS232, Ethernet(LAN)
Display, keypad	VFD 140x32 pixels, 10 pushbuttons
Power supply	100-240V 50/60Hz 110VA
Dimensions (w x h x d)	280 x 135 x 498 mm
Weight	9 kg