

# ECD2600

# ECD2800

## UV DETECTOR



These detectors have continuously variable wavelength in the range of **190-600 nm** respective **190 – 800 nm** and noise level is  $\pm 3 \cdot 10^{-6}$  AU.

The units are suited for **analytical** applications.

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, programmed and used together with **Clarity** or **ECOMAC** software via **RS232** or **Ethernet** interface.

Cell could be easily removed from the front of the unit. Three selectable flow cells **AC02**, **AC05** and **AC10** with optical path length 2.4, 5 and 10 mm. AC05 cell is included as component of the detector

### SPECIFICATION

	ECD2600	ECD2800
Part Number	ADB0000X	ADA0000X
Wavelength range	190-600 nm	190 – 800 nm
Spectral half-width	6 nm	
Accuracy of adjustment	$\pm 1$ nm	
Reproducibility	$\pm 0.5$ nm	
Light source	Deuterium lamp	Deuterium + Halogen lamps
Noise (Test cell, 254nm, TC 2s, 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, PEEK	
Communication	RS232, Ethernet (LAN)	
Display, keypad	VFD 140x32 pixels, 10 pushbuttons	
Power supply	100-240V 50/60Hz 100VA	
Dimensions ( w x h x d )	280 x 135 x 498 mm (11.02 x 5.12 x 18.23 in)	
Weight	9 kg (19.8 lb)	