

ECD2600 EX ECD2800 EX

UV-VIS DETECTORS



These detectors with wavelength in the range of **190-600** respective **190-800 nm** are derived from basic type **ECD2600 / 2800**. **Cell is installed out of the unit** and it is connected using fiber optic cables with **SMA connectors**.

Detector is easy to operate, light intensities for **reference and measuring** channel are available for easy detector **diagnostics** as well as information about **lamp operating hours**. The detector performs **automatic**

wavelength calibration after lamp start. High standard **deuterium lamp** in a special socket enables **easy lamp exchange**.

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

SPECIFICATION

	ECD2600EX	ECD2800EX
Part Number	ADBEX00X	ADAEX00X
Wavelength range	190-600 nm	190 – 800 nm
Spectral half-width	6 nm	$\pm 10.52 \times 10^{-5} \mu\text{m}$
Accuracy of adjustment	$\pm 1 \text{ nm}$	
Reproducibility	$\pm 0.5 \text{ nm}$	
Light source	Deuterium lamp	Deuterium + Halogen lamps
Noise (Test cell, 254nm, TC 2s, 10 Hz)	$\pm 15 \times 10^{-6} \text{ AU}$	
Drift (Test cell, 254nm)	3·10 ⁻⁴ AU/hr.	
Time constant	20 – 10 000 ms	
Sampling speed	up to 100 Hz	
Digital output	1 V/AU	
Analog output	1x configurable	
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)	

EXTERNAL CELL AND OPTICAL CABLES ARE NOT PART OF THESE UNITS. THEY SHALL TO BE ORDERED SEPARATELY.

