

ECD2600CE

ECD2800CE

UV DETECTOR



These detectors with wavelength in the range of **190-600 nm** respective **190 - 800 nm**. They are derived from basic type **ECD2600 / ECD2800**. They are originally designed for use in **capillary electrophoresis (CE)**. Newly developed cell enables easy installation of quartz capillaries and minimizes interference by ambient light as well as mechanical shocks. The light is brought into the cell using optical fiber, which is focused in the center of quartz capillary for electrophoresis.

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

	ECD2600CE	ECD2800CE
Part Number	ADBCE00X	ADACE00X
Wavelength range	190-600 nm	190 – 800 nm
Spectral half-width	6 nm	
Accuracy of adjustment	± 1 nm	
Reproducibility	± 0.5 nm	
Light source	Deuterium lamp	Deuterium + Halogen lamps
Noise (Test cell, 254nm, TC 2s, 10 Hz)	± 10 x 10 ⁻⁶ AU	
Drift (Test cell, 254nm)	1·10 ⁻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)	

