



LCD 2083.7
UV detector with four cells
 P/N 7200002

Spectrophotometric detector **LCD 2083.7** with continuously variable wavelengths in the range of 190 – 360 nm is equipped with **four cells** for preparative chromatography. The cells work simultaneously on the same wavelength. The output signal is available in analogue and digital form too.

The detector is equipped with a high standard IST deuterium lamp in a special socket making possible an easy changing.

The unit is easy for operating, **reference**

and sample signal is available for detector diagnostics and lamp live reading. It is possible to control it using keyboard or external signals.

Specification

Wavelength range	190 - 360 nm
Spectral half-width	6 nm
Accuracy of adjustment	± 1 nm (Difference between some channel is 4 nm)
Reproducibility	± 0.5 nm
Light source	Deuterium discharge lamp IST WL 24 198
Noise level at empty cell (240 nm, TC 1 s)	± 2.5 x 10 ⁻⁵ AU
Drift at empty cell (240 nm after 1 hour)	5 x 10 ⁻⁴ AU/hr
Materials in contact with mobile phase	PTFE; fused silica, stainless steel, PEEK
Time constant	1 s
Output for integrator	1 V/AU
Digital output	RS 232
Power supply	230 V ± 10%, 50 Hz (115 V± 10%, 60 Hz)
Power input	80 VA
Dimensions (W x H x D)	220 x 160 x 470 mm
Weight	9 kg

Preparative cell PLCC 08

volume/optical path (adjustable)	45 µl / 0.1 mm 55 µl / 1.4 mm 70 µl / 2.4 mm
PLCC 08 cell connecting	tubing with OD = 1/16", thread UNF 10-32