

LED20FIX

SINGLE UV DETECTOR DUAL UV DETECTOR

are **OEM built-in** UV detectors suited for preparative and flash chromatography with UV LED diodes as light source. It is offered in two versions as follows:

Single UV detector version measure at **one fix wavelength** which is given by installed LED diode.

Dual UV detector version measure at **two fix wavelengths** which are adjusted in production which is given by installed LED diode.

Standardly are used diodes with wavelength **265 and 280 nm**.

The unit is controlled with **ESTER20 PCB** board which powers the LED diodes and controls the unit. It has lot of new function including higher speed sampling.



Most important features of LED20FIX detectors:

- **small dimensions**
- **low cell heating thanks LED diodes low power supply**
- **easy flow cell replacement**
- **sophisticated diagnostic software**

SPECIFICATION

	LED20FIX Single UV Detector	LED20FIX Dual UV Detector
Part Number	LED0210X	LED0220X
Wavelength range	265 or 280 nm Optionally other wavelength	265 and 280 nm Optionally other wavelengths
Number of channels (Signals)	One fix wavelength	Two fix wavelengths
Typical spectral half-width	10 - 15 nm	
Diode peak wavelength	± 5 nm	
Noise level at test cell (254 nm, TC 0.75s)	± 5x10 ⁻⁶ AU	
Drift at test cell (after 1 h)	1x10 ⁻³ AU/hr	
Materials in contact with mobile phase	FEP; fused silica, stainless steel (cell)	
Interface	I/O Interface	
Power supply	12-24 V DC	
Power input	10 W	
Dimensions (W x H x D)	125 x 65 x 62 mm (4.92 x 2.56 x 2.44 in)	
Weight	0.5 kg (1.10 lb)	

PREPARATIVE CELL PLCC 15 (SUPPLIED WITH UNIT)

Volume/optical path (adjustable)	45 µl / 0.3 mm; 55 µl / 1.4 mm; 70 µl / 2.4 mm
Cell connecting	tubing with OD = 1/8", thread 1/4"-28
Maximal flow rate	500 ml/min. (3 000 ml/min. with PLCC 3L)