

TOY18FIX I

SINGLE UV DETECTOR DUAL UV DETECTOR



is **OEM built-in** UV detector. It is suited for preparative and flash chromatography with **fix wavelengths in range 200 – 600 nm**. It is offered in the following versions:

Single UV detector version measure at **one fix wavelength** which is adjusted in production **according to customer order in range of 200 – 600 nm**.

Dual UV detector version measure at **two fix wavelengths** which are adjusted in production **according to customer order in range of 200 – 600 nm**.

The unit is supplied with **AMY17 PCB** board. It powers the lamps and control the unit. It has lot of new function including sampling higher speed.

Most important features of TOY18FIX I detectors:

- small dimensions
- built-in lamp working hours counter
- easy replacement of flow cell
- sophisticated diagnostic software

SPECIFICATION

	TOY18FIX I Single UV Detector	TOY18FIX I Dual UV Detector
Part Number	TOY210Y	TOY220Y
Wavelength range	200 - 600 nm (256 elements on CCD)	
Number of channels (Signals)	One fix wavelength in range of 200 – 600nm	Two fix wavelengths in range of 200 – 600nm
Typical spectral half-width	8 nm	
Accuracy of adjustment / Reproducibility	± 1 nm / ±0.5 nm	
Noise level at test cell (254 nm, TC 0.75s)	± 5 x 10 ⁻⁵ AU	
Drift at test cell (254 nm after 1 h)	1 x 10 ⁻³ AU/hr	
Materials in contact with mobile phase	PTFE; fused silica, stainless steel	
Time constant (T63)	0.5 s, 0.75 s, 1.0 s, 2.0 s, 4.0 s, 8.0 s, 16.0 s, 0.2 s, 0.1 s	
Interface	RS232; optionally LAN or USB	
Power supply	24 -36 V DC	
Power input	48 W	
Dimensions (W x H x D)	180 x 90 x 70 mm (7.09 x 3.54 x 2.76 in)	
Weight	0.75 kg (4.19 lb)	

PREPARATIVE CELL PLCC 15 (SUPPLIED WITH UNIT)

Volume/optical path (adjustable)	40 µl / 0.3 mm; 55 µl / 1.3 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)