

# TOY18FIX

## SINGLE UV DETECTOR DUAL UV DETECTOR



is **OEM built-in** UV detector suited for preparative and flash chromatography 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 of dimensions 100 x 160 mm (3.94 x 6.30 in). It powers the lamps and control the unit.

### Most important features of TOY18FIX I detectors:

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

### SPECIFICATION

	Single UV Detector	Dual UV Detector
	TOY2100Y	TOY2200Y
Part Number	TOY2100Y	TOY2200Y
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 <sup>-5</sup> AU	
Drift at test cell (254 nm after 1 h)	1 x 10 <sup>-3</sup> AU/hr	
Materials in contact with mobile phase	FEP; fused silica, stainless steel. PEEK	
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)	131 x 167 x 386 mm (5.15 x 6.57 x 15.20 in)	
Weight	3.20 kg (7.06 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)