

TOY18FIX U

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 U detectors:

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

SPECIFICATION

	TOY18FIX U Single UV Detector	TOY18FIX U Dual UV Detector
Part Number	TOYU210Y	TOYU220Y
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	10 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	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)	220 x 120 x 110 mm (8.67 x 4.72 x 4.33 in)	
Weight	1.90 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)