

# TOY18FIX L

## SINGLE UV DETECTOR DUAL UV DETECTOR

is **OEM built-in** UV detector suited for preparative and flash chromatography with diode array (**DAD**) in range of **200 – 600 nm**. It is offered in two versions as follows:

**Single UV detector** version measure at **one fix wavelength** which is adjusted in ECOM 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 TOY18DAD L detectors:

- small dimensions
- **built-in** lamp working hours counter
- **easy replacement of flow cell**
- **measuring at more wavelengths simultaneously**
- **sophisticated diagnostic software**

### To the AMY17 board can be optionally connected:

- Analog outputs board
- LAN and USB board
- Display with keyboard
- Leakage sensor

## SPECIFICATION

	TOY18FIX L Single UV Detector	TOY18FIX L Dual UV Detector
Part Number	TOYL210Y	TOYL220Y
Wavelength range	200 - 600 nm (256 elements on CCD)	
Number of channels (Signals)	<b>One</b> fix wavelength in range of 200 – 600nm	<b>Two</b> 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 <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)	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 15L IN BRACKET (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)