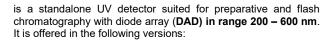


TOY18DAD 600 H

TWO CHANNEL UV DETECTOR FOUR CHANNEL UV DETECTOR SCANNING



Two Channel version measures at two wavelengths simultaneously with possibility to see current scan.

Four Channel version measures at four wavelengths simultaneously with possibility to see current scan.

Scanning version measures at four wavelengths simultaneously or sends scan with speed 20 Hz which allows to create 3D picture.



More wavelengths or scan are used in liquid chromatography to **verify purity of analyzed samples** or in situations when some peaks absorb on different wavelengths. **Most important features of TOY18DAD H detectors:**

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

SPECIFICATION

	TOY18DAD 600 H Two Channel UV Detector		TOY18DAD 600 H Four Channel UV Detector		TOY18DAD 600 H Scanning UV Detector
Part Number	TOYH110Y	-	TOYH120Y		TOYH130Y
Wavelength range	200 – 600 nm (256 elements on CCD)			CCD)	
Number of channels (Signals)	2 4		4	4	
Scan	Informative 200 – 600 nm	2	Informative 200 – 600 nm	20	00 - 600 nm, 20 Hz, step 2 nm
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, KEL-F				
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, USB, LAN				
Power supply	100-240 V				
Power input	100 VA				
Dimensions (W x H x D)	280 x 135 x 498 mm (11.02 x 5.32 x 19.61 in)				
Weight	7.5 kg (16.53 lb)				

PREPARATIVE CELL PLCC 15L IN BRACKET (SUPPLIED WITH UNIT)

	volume/optical path (adjustable)	40 μl / 0.3 mm
Cell connecting		tubing with OD = 1/8", thread 1/4"-28
Maximal flow rate		500 ml/min. (3 000 ml/min. with PLCC3L)

ECOM spol. s r.o. +420 221 511 310