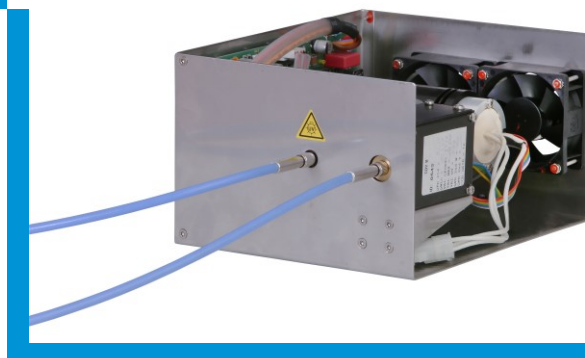


TOY18DAD 800 EX

TWO CHANNEL UV DETECTOR
FOUR CHANNEL UV DETECTOR
SCANNING UV DETECTOR



is **OEM built-in** UV detector with **SMA 905 connectors** allowing to use **external cell connected with optical cables**. It is suited for preparative and flash chromatography with diode array (**DAD**) in range **200 – 800 nm**. It is offered in the following versions:

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.

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 TOYDAD EX units:

- small dimensions
- **built-in lamp working hours counter**
- **cell connection using optical cables**
- **measuring at more wavelengths simultaneously**
- **sophisticated diagnostic software**

SPECIFICATION

	TOY18DAD 800 EX Two Channel UV Detector	TOY18DAD 800 EX Four Channel UV Detector	TOY18DAD 800 EX Scanning UV Detector
Part Number	TOY31WEY	TOY32WEY	TOY33WEY
Wavelength range	200 - 800 nm (256 elements on CCD)		
Number of channels (Signals)	2	4	4
Scan	Informative 200 – 800 nm	Informative 200 – 800 nm	200 - 800 nm, up to 20 Hz, step 1 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)	± 8 x 10 ⁻⁵ AU		
Drift at test cell (254 nm after 1 h)	2 x 10 ⁻³ AU/hr		
Materials in contact with mobile phase	depends on the selected cell		
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, USB, 4 x Analog outputs or Digital OI		
Power supply	24 -36 V DC		
Power input	48 W		
Dimensions (W x H x D)	164 x 112 x 197 mm (6.46 x 4.41 x 7.76 in)		
Weight	2,0 kg (4.4 lb)		

EXTERNAL CELL AND OPTICAL CABLES ARE NOT PART OF THESE UNITS. THEY SHALL TO BE ORDERED SEPARATELY.