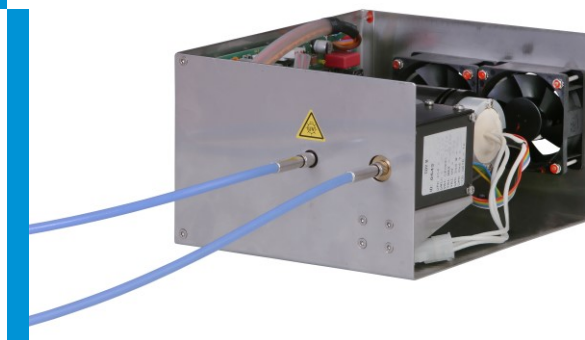


TOY20DAD 800 EX

TWO CHANNEL UV DETECTOR
FOUR CHANNEL UV DETECTOR
SCANNING UV DETECTOR



is **OEM built-in UV-VIS 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 **190 – 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

	TOY20DAD 800 EX Two Channel	TOY20DAD 800 EX Four Channel	TOY20DAD 800 EX Scanning
Part Number	T2031WEY	T2032WEY	T2033WEY
Wavelength range	190 - 800 nm (256 elements on CCD)		
Number of channels (Signals)	2	4	4
Scan	Informative 190 – 800 nm	Informative 190 – 800 nm	190 - 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, 4x 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.