

BABY18FIX

SINGLE UV DETECTOR DUAL UV DETECTOR

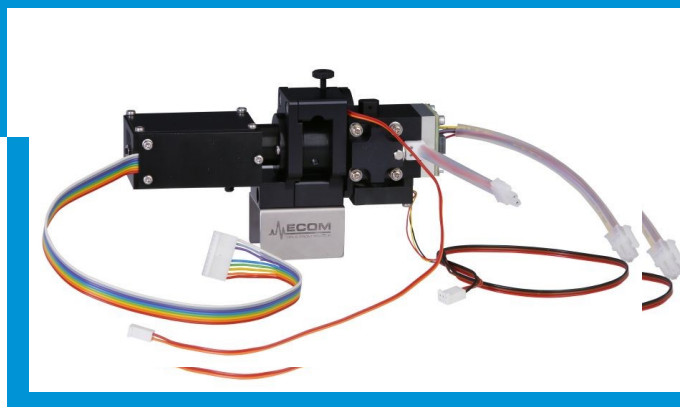
is **OEM built-in UV detector connected with optical cables**. It is suited for preparative and flash chromatography with **fix wavelengths in range 200 – 600 nm**. It is offered in the following versions:

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**.

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 PCB board of dimensions 100 x 160 mm (3.94 x 6.30 in) It powers the lamps and control the unit.



Thanks to a new miniature deuterium lamp has the unit **surprisingly small dimensions**.

Most important features of BABY18DAD detectors:

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

AMY17 board allows to have optional extension modules (for additional cost):

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

SPECIFICATION

	Single UV detector	Dual UV detector
Part Number	BABY210Y	BABY220Y
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
Scan	Informative 200 – 600 nm	Informative 200 – 600 nm
Typical spectral half-width	8 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)	2 x 10 ⁻³ AU/hr	
Materials in contact with mobile phase	FEP; fused silica, stainless steel	
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	
Power supply	24 -36 V DC	
Power input	10 W	
Dimensions (W x H x D)	182 x 59 x 67 mm (7.17 x 2.32 x 2.64 in)	
Weight	0.7 kg (1.54 lb)	

PREPARATIVE CELL PLCC 15 (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)