

FLASH 06 DUAL

DETECTOR

is an OEM build-in dual detector with a **two interference filters**. Detector can be adjusted using interference filter at two fixed wavelengths in range of **200 – 600 nm**. Noise level at 254 nm is $\pm 2 \cdot 10^{-5}$ AU with a test cell. (Filters **254 nm and 280 nm include price**, other filters on request).

High standard **deuterium lamp** in a special socket enables **easy changing**.

This unit is used in liquid chromatography in **flash and preparative** applications. By using analytical cell can be detector used also for analytical purpose.

The unit is designed as build in unit with 24-36V power supply and RS 232 controlling. On



request can be sold in classical case with 90-264 V powering.

The unit offers many advantages:

- **wavelength setting** from 200 up to 600 nm according used interference filter
- **measuring at two wavelengths simultaneously**
- lamp **work hours** are counted using the built-in counter
- the **cell is easy to replace** from the side of the detector
- **powering by 24V DC**
- **unit is controlled by RS232 interface**

SPECIFICATION

TECHNICAL PARAMETERS:

Wavelength range-according used interference filter	200 - 600 nm (standard installed filters 254 nm and 280 nm)
Typical spectral half-width	According used interference filter
Light source	Deuterium discharge lamp
Noise level at test cell (254 nm, TC 1.5 s)	$\pm 2 \times 10^{-5}$ AU
Drift at test cell (254 nm after 1 h)	1×10^{-3} AU/hr
Materials in contact with mobile phase	PTFE; fused silica, stainless steel
Time constant (T63)	0 s; 0.3 s; 0.6 s; 1.5 s
Output for integrator (two channels)	1 V/AU (in digital form only)
Interface	RS232
Power supply	24-36 V DC
Power input	48 W
Dimensions (W x H x D)	131 x 167 x 386 mm
Weight	3.5 kg

PREPARATIVE CELL PLCC 15 (SUPPLIED WITH UNIT)

volume/optical path (adjustable)	45 μ l / 0.3 mm (basic) 55 μ l / 1.4 mm 70 μ l / 2.4 mm
Cell connecting	tubing with OD = 1/8", thread 1/4"-28
Maximal flow rate	500 ml/min