



## OPAL EX DETECTOR WITH OPTICAL CONNECTORS

P/N 65EX000000

is a detector with an **interference filter**. By means of this filter can be unit adjusted at one fixed wavelength in range of **200 – 800 nm**. Noise level at 254 nm is  $\pm 1,5 \times 10^{-5}$  AU with an empty cell. (Filter is not include price)

**Cell is located out of the unit** and it is connected using **fiber optic** cables with **SMA** connectors. Unit can be used with the cell for **ITP** or with preparative cell **PLCC 20** in **flash or preparative liquid chromatography**.

The unit is easy to operate; **reference and sample** signals are available for detector **diagnostics** as well as information on **lamp operating hours**.

**Output signal** is available in both digital and analogue form on the output connector. **It is possible to control**

**the unit using the keypad or an RS232 interface.** The detector is equipped with a high standard **deuterium lamp or tungsten lamp** in a special socket that enables **easy changing**.

Cell, interference filter and fiber optic cable are not include.

### Specification

Wavelength range	200 - 800 nm
Spectral half-width	depending of used filter
Light source	Deuterium discharge lamp IST WL 24 198
Noise level at empty cell (254 nm, TC 1 s)	$\pm 1 \times 10^{-5}$ AU
Drift at empty cell (254 nm after 1 h)	$4 \times 10^{-4}$ AU/hr
Time constant	Fast, middle and slow
Output for integrator	1 V/AU
Interface	RS 232
Power supply	100, 115 and 230V, 50/ 60 Hz)
Power input	80 VA
Dimensions (W x H x D)	220 x 170 x 450 mm
Weight	8 kg

### INTERFERENCE FILTERS AT STOCK (together with unit order requested filter)

Wavelength (nm)	Spectral half width (nm)	P/N
200	12	42444
214	12	42436
228	12	42443
254	12	42435
280	10	42437
313	10	42440
297	10	42442
340	10	42438
460	12	42441
560	10	42439

Other wavelength filters at request.

### USED CELL

#### Preparative cell PLCC 20 (optional)

Optical path (adjustable)	0.1 to 1.5 mm
Cell connecting	NPT 1/4"-18
Inlet diameter	8 mm
Maximal flow rate	15 l/min by 0,5 MPa pressure

