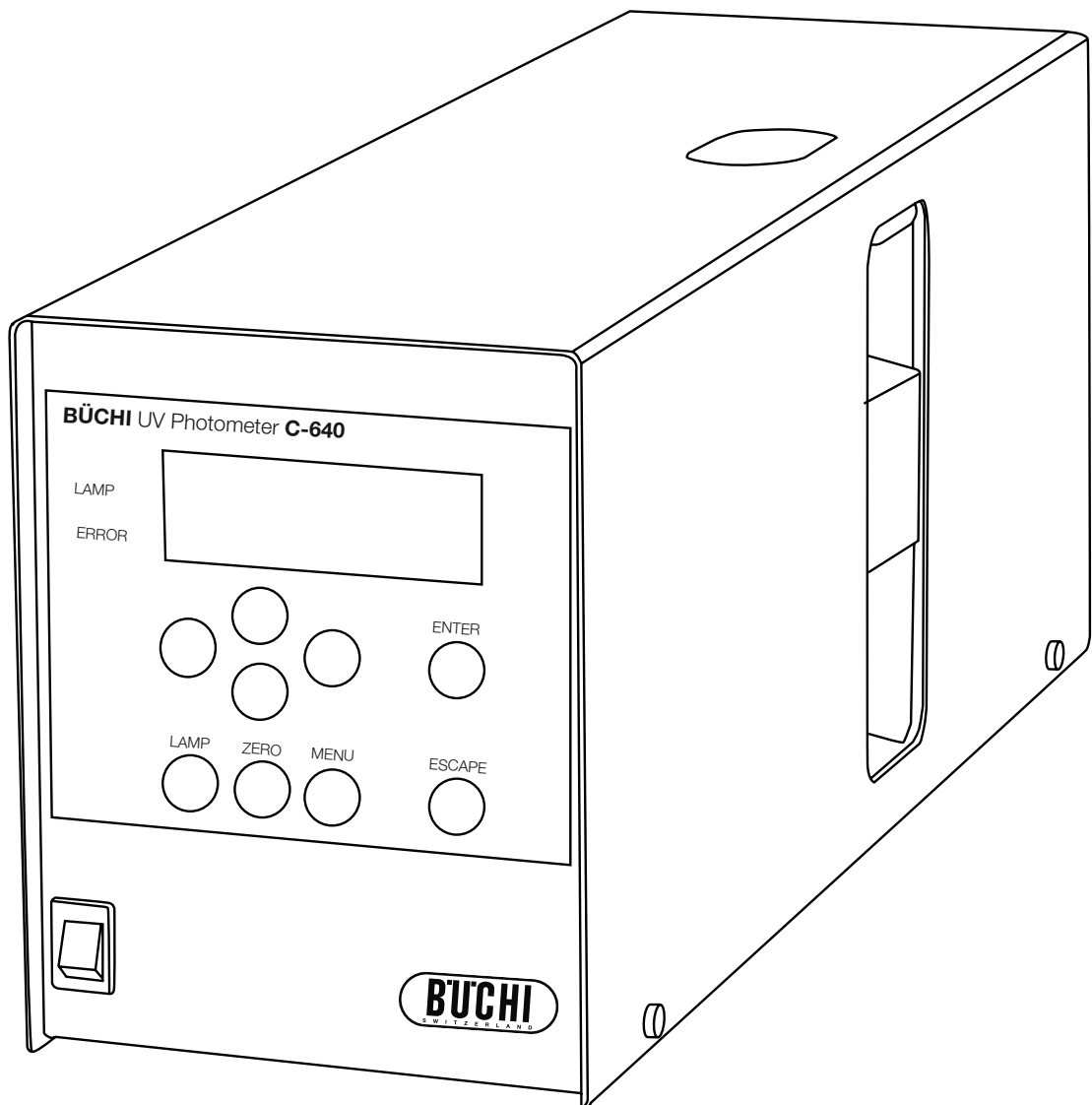




# UV-Vis Detector C-640

## Technical data sheet

With the simultaneous monitoring at four different wavelengths over the whole UV and visible range, the C-640 Detector allows you to detect and isolate your compounds.



## Scope of delivery

Components	Qty
Preparative flow cell for C-640	1
Fitting and ferrule 1/8"	2
Fitting and ferrule 1/16"	2
FEP tube inner diameter 1/16", outer diameter 1/8", 5 m	1
FEP tube inner diameter 1/32", outer diameter 1/16", 5 m	1
Test cell for preparative cell	1
CD containing Operating Instructions (en / de / fr / it / es / cn / ja)	1
Power cable	1
RS232 cable	1
Cinch cable	2

## Order code

**1 1 0 5 8 1 4 8** UV-Vis Detector C-640

## Technical data

Dimensions (W × H × D)	135 × 185 × 418 mm
Weight	6 kg
Connection voltage	100 – 240 V ± 10 %
Frequency	50/60 Hz
Power consumption	max. 90 W
Fuse	2.5 A / 250 V
Wavelength range	200 – 840 nm (256 elements on CCD)
Typical spectral half width	10 nm
Accuracy of adjustment	± 1 nm
Reproducibility	± 0.5 nm
Noise level at test cell	± 5 × 10 <sup>-5</sup> AU at 254 nm, TC 0.75 s
Drift at test cell (254 nm after 1 h)	1 × 10 <sup>-3</sup> AU/h
Time constant (T90)	0.5 s ; 0.75 s; 1 s or 2 s
Light source	Deuterium discharge lamp / halogen lamp
Maximum flow rate	500 mL/min

Maximum pressure at the cell	20 bar / 290 psi
Output for integrator	1 V/AU (in digital form only)
Interface	RS232
Dialog language	en
Overvoltage category	II
Degree of protection	IP20
Pollution degree	2

### Environmental conditions

Temperature	5 – 40 °C for indoor use only
Altitude	up to 2000 m
Humidity	max. relative humidity 80 % for temperatures up to 31 °C, linearly decreasing to 50 % at 40 °C

### Accessories

	Order number
Deuterium lamp	11058131
Halogen lamp	11058132
Spare part set preparative flow cell	11058231
Preparative flow cell	11057949
Back Pressure Regulator 2 bar	044337
SepacoreRecord Software	11057087