

LC 6000

Specification sheet

SCION 6430 DIODE ARRAY DETECTOR

Dimensions & Weights

Dimensions:	340W x 440D x 140H (mm)
Weight :	14 kg
Power Supply/Consumption:	DC 24 V, 3.5 A (max)/ 84 W

Optical System

Single beam ratio photometry (dispersion by diffraction grating)

Light Source: D2 Lamp, W Lamp, Hg Lamp for checking wavelength

Wavelength Range: 190 nm to 900 nm (D2 & W mode)
190 nm to 400 nm (D2 mode)
401 nm to 900 nm (W mode)

Wavelength Accuracy: ± 1 nm

Slit Width: Fine 1 nm, Coarse 4 nm

Response: 0.01, 0.02, 0.05, 0.1, 0.5, 1.0, 2.0secs (in steps of 7)

Parameters

Temperature Range:	4 °C to 35 °C (no condensation)
Humidity Range:	25 % to 85 % (no condensation)
Thermo Cell Temperature Control (optional):	40 °C, Range 4 °C to 30°C
Noise Level:	$< 0.5 \times 10^{-5}$ AU
Autozero range:	0.2 to 2 AU
Offset:	0 to 2 AU, 0.001 step
Flow Cell:	Quartz glass, SUS, Fluorocarbon resin
Flow Cell Capacity:	13 μ L
Flow Cell Pressure Resistance:	14.7 MPa (without inlet/outlet tube)



External Input/Output Terminal

Start in, Error in/out, busy out (contact points on RS-422)

Optional

Processor output (1 V full scale)

Recorder output (10 mV full scale)

Enabled only for the single-wavelength measurement (0.25, 0.5, 1, 2 AU are output as 1V)

Communication

RS-422 (Installation condition, Instrument status)

USB 2.0 (Acquisition Data)

SCION Instruments HQ

Suite 34, Livingston Business Centre
Kirkton Road South, Livingston,
EH54 7FA, Scotland, UK.
Tel: +44 1506 300 200
sales-eu@scioninstruments.com
www.scioninstruments.com

SCION Instruments NL BV

Amundsenweg 22-24,
4462 GP Goes,
The Netherlands
Tel: +31 (0) 113-287 600
sales-eu@scioninstruments.com
www.scioninstruments.com