

LC 6000

Specification sheet

SCION 6210/6220 Autosampler

MAIN UNIT

Dimensions & Weights

| | |
|-------------------------|-------------------------------|
| Dimensions: | 340W x 520D x 320H (mm) |
| Weight : | 23kg/ 26kg (with thermo unit) |
| Power Supply: | 24V DC, 2.1A |
| External Communication: | RS-422 |

Direct Injection

Number of Standard Sample:

- 200 (1.5mL vials)
- 128 (4mL vials optional)
- 288 (96-well microplate optional)
- 1152 (384-well microplate optional)

*Conditions settable depending on vial/rack

Syringe Volume:

- 100 μ L (standard)
- 500 μ L, 1 mL, 2.5 mL (optional)

*Syringe speed settable

Injection Volume:

- 0.1 - 50 μ L (100 μ L syringe)
- 5 - 2250 μ L (optional syringes)

Mechanism:

- X Direction; sample rack movement
- Y/Z Direction; needle movement

| | |
|--|------------|
| Maximum number of injections per sample: | 99 |
| Maximum cycle time: | 999.9 mins |

Temperature and Humidity

4°C to 35°C (non-condensing)
25 to 85%

Data

| | |
|--------------------------------------|--|
| Reproducibility of injection volume: | <0.3% RSD (10 μ L injection) |
| Linearity of injection volume: | R ² 0.999 |
| Accuracy of injection volume: | \pm 0.8% (50 μ L n=10) |
| Carryover: | <0.003% RSD (10 μ L of blank after 10 μ L of 60mg/100mL methylparaben) |
| Withstand pressure: | 60MPa |
| Wetted Part Material: | SUS316, PEEK, fluororesin, EPDM, Vespel®, UHMWPE |



THERMO UNIT (optional - 6220 Autosampler with Cooling Unit)

Thermo unit is a Peltier cooling system to cool the sample. It is excellent in operability because it does not use water as a coolant.

| | |
|----------------------------|---|
| Temperature Setting Range: | 1 to 35 °C |
| Cooling Power: | From 4°C to 5° below ambient temperature (between 15-25° ambient temperature) |
| Temperature Range: | 15 to 25 °C and humidity of 60 % |
| Ambient Humidity: | 25 to 85% |
| Power Supply: | 100 to 240 V AC \pm 10% (50/60 Hz), 110 VA |

SCION Instruments HQ

Suite 34, Livingston Business Centre
Kirkton Road South, Livingston,
EH54 7FA, Scotland, UK
Tel: +44 (0)1506 300 200
sales-eu@scioninstruments.com
www.scioninstruments.com

SCION Instruments NL BV

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