



Detectors - DCS102

Data Collection

This system can be used for the measurement of two independent current or voltage signals via two Analogue to Digital convertors (A/D). Output is provided by two Digital to Analogue convertors (D/A) operating in the range 0 to 10 VDC, possessing 12 bit accuracy. TTL triggering is available on both input and output channels. Can be controlled via either RS 232 or USB ports and has an output port to the Omni-lambda series of monochromators and spectrographs.



SPECIFICATIONS

Two independent signal input channels. Each channel can accept either:

Current: $\pm 5 \mu\text{A}$ to $\pm 40 \mu\text{A}$ Voltage: $\pm 0.5 \mu\text{V}$ to $\pm 4 \text{V}$

A/D converter accuracy	± 15 Bits
Output range	0 to 10 VDC
D/A converter accuracy	12 Bits
Size	Output port to Omni-lambda series monochromator / spectrograph 260 mm (W)x110 mm (H) x 260 mm (D)
Weight	3 Kg