

# DECADE II SDC

## EC DETECTOR

### Plain Performance



The DECADE II SDC has the same performance as the famous DECADE II and is the successor for the workhorse INTRO and LINK. It has an integrated oven with Faraday cage, it is equipped with the superior ADF and has control for one flow cell (single cell control). The DECADE II SDC has DC mode only and is operated by PC control software. It is compatible with all Antec Leyden flow cells. The DECADE II SDC can be furnished with a manual or electrically actuated injector which can be controlled by the detector and software.

- **SDC: Single Cell Control, DC mode only**
- **ADF: Advanced Digital Filter for noise suppression**
- **controlled by (free) PC software**

## Specifications DECADE II SDC

### General specifications

Power	100-240 VAC, 50/60 Hz, 260 VA max., auto-sensing
Operating mode	DC
Potential range	between +2.00 and - 2.00 V in 10 mV increments
Output	between +1 and - 1 V or between +10 and -10 V (20 bit D/A converter)
Offset	between +50% and - 50% of max. output voltage, 5% steps
Event marker	pulse of 10% of max. output
Auto zero	triggered by rear panel TTL or RS232C control
RS232C	full parametric instrument control, data acquisition at 1, 2, 5 and 10 Hz
Oven	height 37 cm, from 7°C above ambient to 45°C, accuracy 0.5°C, stability 0.1°C; accommodates column and flow cell(s)
Environmental	operating temperature: 4 – 40 °C, RH 20 to 80%, non-condensing
DC mode ranges	10 pA – 200 µA in 1, 2, 5 steps
Filter (ADF)	Advanced Digital Filter, 0.5 - 0.001 Hz, 1, 2, 5 steps
Noise	better than 2 pA with dummy cell in 1 nA/V range, filter off, Ec +800mV and temperature of 30 °C.
Auto mode	DC mode (5 files), cycle time, number of cycles and oven temperature. Time-based control of 50 time points as to range, filter, output contacts (2 TTL, 2 relays), auto zero, board id, offset, valve position (if present) and cell potential.

### Physical specifications

Dimensions	44 (D) x 22 (W) x 44 (H) cm = 17.3" (D) x 8.7" (W) x 17.3" (H)
Weight	14 kg (32 lbs) without flow cell and column

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