



# DECADE Lite

## Electrochemical Detector



The **DECADE Lite** has the same performance as the famous DECADE Elite. 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 Lite has *DC mode only* and is operated by PC control software (free). The DECADE Lite is compatible with all Antec flow cells.

- ☑ *Most sensitive electrochemical detector*
- ☑ *Temperature stabilized cell compartment*
- ☑ *ADF to improve S/N ratio*
- ☑ *Wide selection of flow cells*

<b>General specification</b>	
Power	100 – 240 VAC, 50/60Hz, 260 VA max, auto-sensing
Operation modes	DC
Potential range	± 2.50V, 10mV increments
Output (DAC)	± 1V (16-bit D/A converter)
Output (I/E)	± 2.5V (unprocessed analog signal)
Auto zero	rear panel TTL, or control software
LAN	Instrument control, data acquisition (USB service port)
Oven	From + 7°C above ambient to 60°C, accuracy 0.5°C, stability 0.1°C; accommodates column and flow cell(s)
Regulatory	CE, cMETus approved, RoHS compliant
Rear panel I/O	1 x IEC inlet (Mains), 1 x USB B, 1 x RJ45 LAN, 1 x 9-pins sub-d D Male (Valve), 1 x 9-pins sub-d Female (Analog output), 1 x 25-pins sub-d Female (Digital I/O)
Filter	Advanced digital filter (ADF) (10 – 0.001 Hz in 1, 2, 5 increments)
<b>DC Mode</b>	
Range	10 pA - 200µA in 1, 2, 5 increments
Data Rate	1 – 100 Hz in 1, 2, 5 increments (actual data rate dependent on filter setting)
Noise	≤ 2pA with dummy cell (load of 300 MΩ/0.5 µF), range 1 nA/V, filter off, Ec +800mV and temperature of 35°C

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