

The uDL2 is a high accuracy, two channel data logger designed for use with CP coupons. An integral current detector with interruption relay allow direct measurement of coupon AC current density and coupon DC current. A reference cell input provides DC potential, AC voltage and Instant-disconnect DC potential measurements. A large LCD can be used to locally verify the readings. Measurement storage capacity of 2,000,000 readings and rechargeable battery allow the device to capture readings for over 4 months. An internal GPS receiver provides an accurate time reference and site geo-location coordinates.

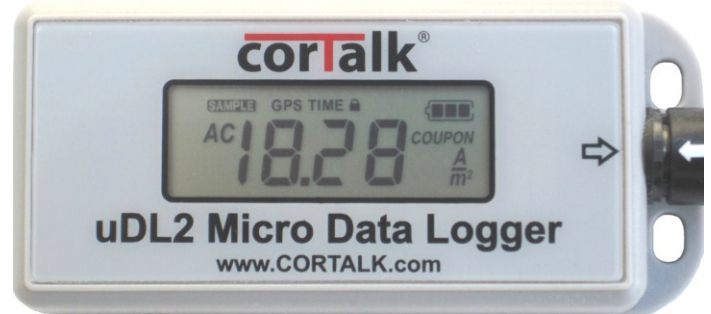
### Features:

- Measures AC current density, coupon DC current, coupon DC potential, coupon AC voltage, Instant-disconnect DC potential and depolarized coupon DC potential
- Very small size 3.5" x 1.6" x 0.72" (89mm x 40mm x 18mm) allows use within most standard CP test stations
- Water-resistant (non-submersible) enclosure for harsh environments
- Wide operating temperature range -4°F to +140°F (-20°C to +60°C)
- Integral rechargeable battery provides over 4 months or 2,000,000 readings per charge
- 3½ digit wide-temperature LCD for local voltage monitoring
- Automatically powers on when measurement cable is connected
- Two bi-polar analog inputs connect to a coupon and reference cell
- Coupon DC current measurement ranges +/-60mA & +/-300mA
- Coupon AC current measurement ranges 40mA & 200mA True RMS
- Automatic shunt disconnect when overcurrent is detected
- >20Mohm P/S input for direct connection to a reference cell
- Reference cell measurement +/-22VDC & 15VAC True RMS
- Can measure DC and AC simultaneously
- DC measurements have >65dB of 50/60Hz AC rejection for stable and accurate readings
- High measurement accuracy over -4°F to +140°F (-20°C to +60°C)
- Lightning and surge protected
- Configurable Instant-disconnect measurement delay
- Configurable coupon depolarization time
- Can measure and log internal temperature
- Non-volatile 2,000,000 measurement storage memory
- All measurements are time and date stamped
- User configurable sample rate from 1 per second to 1 per 12 hours
- USB connection to PC laptop for configuration, data uploading and battery charging
- Easy device configuration and data uploading through a PC-based graphical user interface
- PC chart graphical preview of logged data
- Comma Separated Value (CSV) data file export

**uDL2 Micro Data Logger for CP Coupons** – Two channel data logger with internal GPS, 2,000,000 measurement memory, internal current shunt and interruption relay. Includes USB cable, analog cable with banana jacks & alligator clips, USB drive with PC software, fabric carrying case and 1 year factory warranty.

For global use outside of USA. Kit Part Number: A20A03UDL20

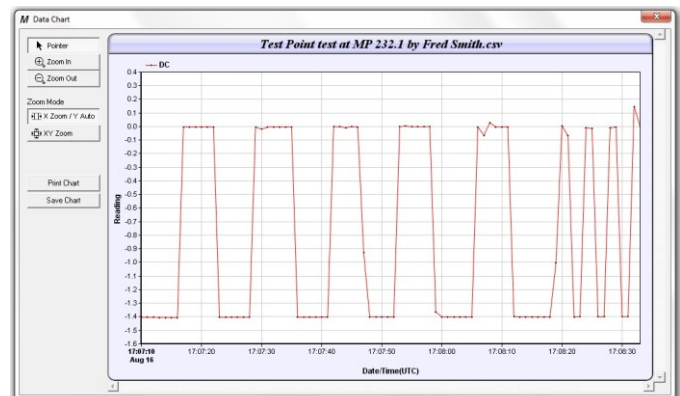
For use within USA. Kit Part Number: A20A03UDL21



Approximate physical size



Positioned inside a CP test station



Data Preview Graph