

Elite

Smartphone-Like Digital Wireless Recorder

Elite is a digital wireless recorder that has the capability to measure a variety of electrical properties, and wirelessly relay the data back to your computer and mobile devices

Elite

Data acquisition to Controller

- I-V, I, V & R monitoring
- Voltammetry techniques
- EIS

User Devices

Visualize & control on webpage

Controller

Connected to multi-users & multi-Elite

In-Situ Measurement



- ▶ Recording in **CLOSED CHAMBER**
e.g., glove box, incubator
- ▶ Complimentary measurement
e.g., with optical instruments
- ▶ On-site with the subject

Plug & Play



- ▶ Control via webpage
- ▶ Control with **MOBILE DEVICE**
- ▶ Intuitive user interface
- ▶ Real-time data plot

Connected Team



- ▶ IoT devices
- ▶ **REMOTE CONTROL**
- ▶ **MULTI-DEVICE** configuration
- ▶ **MULTI-USER** joint research
- ▶ Direct data download

Specification

Elite-EDC



Output Voltage	± 5 V (resolution: 0.2mV)
Input Voltage	± 5 V (resolution: 0.2mV)
Input Current	± 15 mA (resolution: 2 nA)
Scan Rate	0.01 – 1000 mV/s
Sampling Rate	0.01 ~ 100 sample per sec
Operation Time	> 8 hours (extendable by means of power bank)
Wireless Range	> 3 m
Dimension	6 x 6 x 2 cm (weight: ~ 60g)
Working Mode	IV-curve, V, I, R monitoring, source measurement, linear sweep voltammetry (LSV), cyclic voltammetry (CV), differential pulse (DPV) voltammetry*, chronoamperometry (CA), pulse sensing*

Elite-EIS

dc bias	0 - 600 mV
frequency range	15 mHz to 200 kHz
ac amplitude range	800 mVp-p
current range	1 uA to 5 mA full range (selectable, resolution: 100 pA)
Operation Time	> 8 hours (extendable by means of power bank)
Wireless Range	> 3 m
Dimension	6 x 6 x 2 cm (weight: ~ 60g)
Working Mode	EIS, CV, CA*, LSV*, DPV*, NPV*

Controller



User Interface	Web page / compatible with Windows, MacOS, iOS, and Android operating systems (running Google Chrome or Apple Safari browsers)
Data format	csv. (excel), txt.
Concurrent Control	Up to 4 of all Elites series products
Storage	128 GB
Power	Micro USB (adapter included) Input: 100-240V ~ 50/60 Hz, 0.5 A
Dimension	14 x 14 x 5 cm
Weight	~ 450 g

i working modes marked with an asterisk* will become available with the software update at the beginning of 2022.

Order List

Product	Model No.	Accessories	Model No.
Elite EDC	WTP-EDC-03	Alligator Clip with 15 cm Wire	WTP-FW-01-L
Elite-EIS	WTP-EIS-01	Hook Clip with 15 cm Wire	WTP-FW-02-L
Controller	WTP-EC-02	3-electrode Wire with 15 cm Wire	WTP-FW-01V-L

衡序應用科技

Equil Applied Technology Co., Ltd.
e-mail: equilappltech@gmail.com, tel: 0986786566

