

Potentiostat

PTC-05100EW



100A 燃料电池、电解水工作站 H₂FC and PEMEC Potentiostat

PTC-0520E

- ❖ 恒压 / 恒流 $\pm 5\text{ V}, \pm 20\text{ A}$
- ❖ 最大功率 **200 W**
- ❖ 电流范围 **20 mA, 200 mA, 2 A, 20 A**
- ❖ EIS阻抗 **1 mHz .. 100K Hz**
- ❖ 散热 **Air**

PTC-0550E

- ❖ 恒压 / 恒流 $\pm 5\text{ V}, \pm 50\text{ A}$
- ❖ 最大功率 **350 W**
- ❖ 电流范围 **500 mA, 5 A, 20 A, 50 A**
- ❖ EIS阻抗 **1 mHz .. 100K Hz**
- ❖ 散热 **Air**

PTC-05100EW

- ❖ 恒压 / 恒流 $\pm 5\text{ V}, \pm 100\text{ A}$
- ❖ 最大功率 **1000 W**
- ❖ 电流范围 **500 mA, 5 A, 20 A, 100 A**
- ❖ EIS阻抗 **1 mHz .. 100K Hz**
- ❖ 散热 **Water**



**Customized For H₂ Fuel Cell and Electrolyzer Research
and Hydrogen Energy Future**

致力于燃料电池、电解水和未来氢能

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技术参数

供电	110-240V AC / 50..60 Hz
外形尺寸	19英寸机柜
散热	Water
防护等级	IP20
静电计输入电压范围	-10 V ... +10 V
输出电压	-5 V ... +5 V
输出电流	-100 A ... +100 A
电流档位	4 current ranges (500 mA, 5 A, 20 A, 50 A)
采样	24-bit ADCs, 3 ksps internal, 50 sps filtered sampling 14-bit ADCs, up to 20 Msps for EIS measurements
测量分辨率	0.001 % of selected range for ≤ 1 ksps sampling
精度	电压 ≤ 0.1 % of range + 0.1 % of reading 电流 ≤ 0.1 % of range + 0.5 % of reading
测试方法	constant V, I, open circuit, manual control chronoamperometry, chronopotentiometry linear sweeps, I/V characteristics cyclic voltammetry pulse voltammetry - differential, square, normal impedance spectroscopy (EIS) programmable sequences of all available methods
EIS 频率	1 mHz .. 100 kHz, limited use up to 1 MHz
EIS 振幅	1 .. 1000 mV, up to 50 A for < 1 kHz
连接	USB 2.0
软件	适用于MS Windows, TCP Server, NI LabVIEW驱动程序的软件