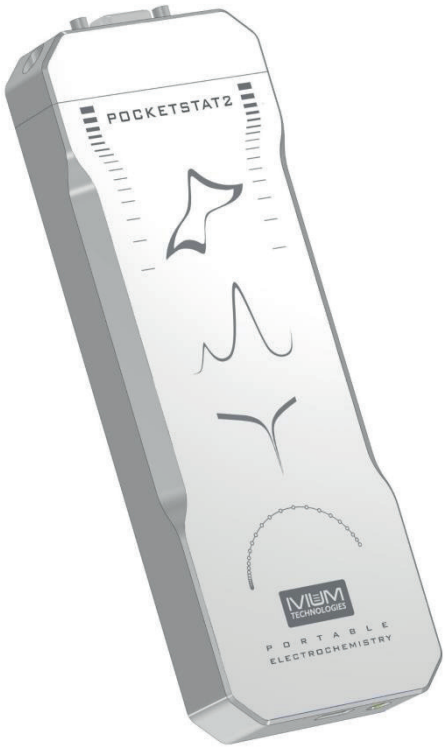
innovative solutions for electrochemical research

pocketSTAT2

For corrosion measurements



Suitable for field measurements and lab/bench testing

System performance

Current compliance	±30mA
Maximum output voltage	±10V
Electrode connections	4; WE, CE, RE, S (and GND)
Potentiostat bandwidth	>500kHz
Stability settings	High Speed, Standard and High Stability
Programmable response filter	1MHz, 100kHz, 10kHz, 1kHz, 10Hz
Signal acquisition	Dual channel 18bit ADC, 300,000 samples/s

Potentiostat

Applied potential range	±10V, 0.08mV res.
Applied potential accuracy	0.2%, or 2mV
Current ranges	±100pA to ±10mA in 9 decades
Measured current resolution	0.003% of current range, minimum 3fA
Measured current accuracy	0.2%

Galvanostat

Applied current resolution	0.008% of applied current range
Applied current accuracy	0.2%
Potential ranges	±1mV, ±4mV, ± 10mV, ±40mV, ± 0.1V, ±0.4V, ±1V, ± 4V, ±10V
Measured potential resolution	0.0008% of potential range, minimum 7nV
Measured potential accuracy	0.2% or 2mV

Impedance analyser

Frequency range	10µHz to 1MHz
Amplitude	0.15mV to 2.0V, or 0.03% to 100% of current range
DC offset	16bit DC offset subtraction and 2 DC-decoupling filters

Electrometer

Input impedance	>1000Gohm //<10pF
Input bias current	<20pA
Bandwidth	>5MHz

Environment

Power requirements	Via USB
Interfacing	USB
Size (w x d x h)	16 x 6.7 x 1.9cm
Weight	300g
PC requirements	Windows 8/10, with free USB port

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