

Specification of As-510-4 Fuel Cell Analyzer

- Voltage: 0V to 20V
- Power: 100W
- Current: 10A (Low), 50A (Mid), and 100A (High)
- Current Setting Accuracy: $\pm 0.05\%$ of Full Scale Max. (Constant-Current Operation in All Ranges)
- Current Measurement Accuracy: $\pm 0.05\%$ of Full Scale Max. (Auto Range)
- Voltage Setting Accuracy: $\pm 0.5\%$ of Set Value + $\pm 0.2\%$ of Full Scale Max
- Voltage Measurement Accuracy: $\pm 0.1\%$ of Full Scale Max
- IR Measurement Range: 0.0000mA to 999.99mA; Five-digit Display
- IR Measurement Timing: Variable, between 10 μ s and 1000 μ s after Interruption
- Impedance Frequency Measurement Range: 0.1mHz to 50kHz (Full Range)

Specification of As-510-IMU Impedance Analyzing Units

- Setting Frequency Range: 0.1mHz to 100 kHz
- Oscillator Output Waveform: Sine Wave
- Oscillator Signal Amplitude: 0 to 20Vp-p (with Output Terminals Open)
- Number of Analyzer Channels: 4
- Analysis Items: CH1/CH2, CH1/CH3, CH1/CH4
- As-510-S4 System Software is Required to Use with As-510-IMU

Specification of System Requirement of As-510-S4 System Software

- PC
- Operating System: Microsoft Windows 2000 or XP Professional
- RAM: 256 MB or More (1GB or more Recommended)
- Display: SVGA, 1,024 x 768 Pixels and 256 Colors or More
- GPIB Interface
 - Any One of NI PCI-GPIB, PCMCIA-GPIB, USB-GPIB-B
 - Note: An Expansion Slot is Required

Specification of As-510-4 Fuel Cell Analyzer

- Measurement Items: Cyclic Voltammetry, Linear Sweep Voltammetry, EIS
- Measurement Range
 - Voltage: ± 4 V, 1mV Resolution
 - Current: ± 4 A, 10 μ A Resolution
- EIS Operating Frequency Range : 0.1mHz to 50kHz
- As-510-S4 System Software is Required to Use with As-510-CVM

Specification of System Requirement of As-510-Z Fuel Cell Analyzing Software

- Operating System: Microsoft Windows 2000 or XP Professional
- CPU: Pentium 800MHz or Above
- CD-ROM Drive: Required for Installation
- Pointing Device: Required
- Display: SVGA, 1,024 x 768 Pixels and 256 Colors or More