

Metrohm Autolab Specifications

High frequency impedance spectroscopy module (ECI10M)

| ECI10M | |
|--|---|
| Frequency range | 10 μ Hz to 10 MHz |
| Frequency resolution | 0.0003% |
| Maximum amplitude | 700 mV (RMS) |
| Potential applied | ± 10 V |
| Maximum compliance voltage | ± 10 V |
| Potential accuracy | $\pm 0.2\%$ ± 5 mV |
| Potential resolution | 0.3 μ V |
| Maximum current | ± 100 mA |
| Current ranges | 10 nA to 100 mA |
| Current accuracy | $\pm 0.2\%$ of current $\pm 0.5\%$ of the current range |
| Current resolution | 0.0003% (of current range) |
| Input bias current @ 25 degrees $^{\circ}$ C | Typical 6 pA |
| Input impedance of electrometer | $> T\Omega // < 0.25$ pF |
| Bandwidth | 15 MHz |
| Required module | FRA32M |
| Mode | Potentiostatic and Galvanostatic |
| Electrode connections | 2, 3 or 4 electrode mode |

| PGSTAT128N | PGSTAT302N | M101* | M204* | PGSTAT101* | PGSTAT204* | Module Type | Potential Application Segment |
|------------|------------|-------|-------|------------|------------|---|---------------------------------|
| • | • | | | | | High frequency impedance spectroscopy (ECI10M) | Fundamental, Solar, Solid State |

* Current integrator included

MODULES

ADC10M

BA

Booster 10A

Booster 20A

ECD

ECI10M

ECN

EQCM

F120

FRA32M

MUX

pX1000

Scan250

Metrohm Autolab

Metrohm Autolab instruments are specifically designed for electrochemical research, delivering the requirements of most application areas.

Metrohm Autolab provides an industry-leading **3 year warranty** for all instruments, modules, and instrument accessories

✓ Reliability

Metrohm Autolab installed instruments average 99% uptime in the first 5 years of installation.*

✓ Superior Service

Our dedicated distribution and service network provide a fast response for sales and service, usually within 48 hours.

✓ Versatility

Metrohm Autolab instruments can easily and efficiently be combined with a wide range of instrumentation.

✓ Powerful software

NOVA is the powerful data acquisition and analysis software that powers your experiment.

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*Based on European markets most widely sold instrumentation.