

IKA

designed for scientists



ElectraSyn 2.0 Package

/// Data Sheet

ElectraSyn 2.0 is a three-in-one device that runs electrosynthesis, cyclic voltammetry (CV), and room temperature stirring. Its beginner-friendly features allow synthetic chemist to run simple CV and explore the substrate's electrochemical properties; set up constant current or constant voltage reactions in the most intuitive way.

We constantly strive to further optimize our devices for you. That is why our development never stops. The device keeps evolving with software development which enables state-of-art functionalities benefitting scientific discovery. Accessories are widely available in order to support the expanded functionalities.



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The IKA ElectraSyn App (available for both iPhone and Android) enables reaction and CV experiment monitoring, data transmitting, and various other functions.

The CV package is not included in the standard package.

Scope of delivery

- ElectraSyn 2.0 Package
- Single vial holder
- Single vial, 10 ml, complete
- Electrodes (graphite) (2 pcs.)
- Stir plate attachment



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Technical Data

Nominal voltage (input) [VDC]	48
Current max. (input) [mA]	1500
Voltage output (electrode) [V]	30/10
Current output (electrode) [mA]	100
Motor rating output [W]	9
Speed range [rpm]	50 - 1500
Setting accuracy speed [rpm]	10
Stirring quantity max. per stirring position (H ₂ O) [l]	0.1
Stirring bar length [mm]	8 - 16
Speed adjustment	Turning knob
Display	TFT
Output current resolution [mA]	0.1
Output voltage resolution [V]	0.01
Current measuring resolution [mA]	0.1
Voltage measuring resolution [V]	0.1
Current measuring accuracy [mA]	±0.1
Voltage measuring accuracy [V]	±0.01
Dimensions (W x H x D) [mm]	130 x 150 x 250
Weight [kg]	3.72
Permissible ambient temperature [°C]	5 - 50
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 40
USB interface	Micro-USB
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	39.84
Power input standby [W]	5
DC Voltage [V=]	48
Current consumption [mA]	750