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Screening System Package (8 Cells)

/// Data Sheet

The IKA Screening System is perfectly suited for constant current electrosynthesis in “multibatch” mode. The package with 8 undivided batch cells enables you to quickly carry out research on multiple electroconversions at the same time. In addition, you can combine the system with other equipment in the laboratory.

The usage of the single-cell screening system allows you to customize each reaction cell. The operator is able to individually pre-set an applied voltage of 0 – 32 V or 0 – 10 A current by using two voltage sources, each providing four outputs. Every reaction cell can be equipped with electrodes made of either different or the same electrode material. This depends strongly on the electro synthesis envisioned. All cells are arranged in a heating block that, if necessary, is

heated up by a magnetic stirrer belonging to the scope of delivery. An external PT 1000 temperature sensor ensures the monitoring and control of the exact heating block temperature.

-Up to 8 undivided cells can be operated simultaneously and individually
-Synthesize sufficient quantities for GC, LC or NMR analysis processes
-Separate control and pre-set for each cell
-Easy testing of identical or differing electrolysis runs
-Fast identification of ideal process parameters
-Digital recording of test parameters
-Simultaneous mixing and heating
-Full temperature control (PT 1000) using heat block
-Control and automation via Labworldsoft 6.0
-Time and resources savings

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Technical Data

Diameter [mm]	150
Volume max. [l]	0.160
Material in contact with medium	PTFE
Number of chambers for vials	8
Weight [kg]	24.9
Permissible ambient temperature [°C]	5 - 200
RS 232 interface	yes
Analog output	yes
Voltage [V]	230 / 115
Frequency [Hz]	50/60