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Screening System Package (6 cells)

/// Data Sheet

The IKA Screening System is perfectly suited for constant current electrosynthesis in “multibatch” mode. The package with 6 divided 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.

Six divided cells can be operated in parallel within the Screening System, if double cells are used.
These divided reaction cells consist of a reaction block, which requires separate electrode compartments.
These are connected by a glass frit. Thus, an electrochemical reaction takes place, but the reaction liquids remain separate. That prevents the mixture of oxidized and reduced liquid.

This is of particular interest if the product formed is not stable towards the counter electrode.

-Up to 6 divided 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

Scope of delivery
•Divided Cells (6 pcs.)
•Aluminum block 6 cells
•IKA Plate (RCT digital)
•Crown stirrer (12 pcs.)
•H 16 V Support rod
•H 38 Holding rod
•H 44 Boss head clamp
•Set of cables with crocodile clamps (Channel 1-4)
•Set of cables with crocodile clamps (Channel 5-8)
•Power Supply (2 pcs.)
•Graphite Electrodes (12 pcs.)

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Technical Data

Diameter [mm]	170
Volume max. [l]	0.130
Material in contact with medium	PTFE
Number of chambers for vials	6
Depth [mm]	60
Weight [kg]	26.9
Permissible ambient temperature [°C]	5 - 200
RS 232 interface	yes
Analog output	yes
Voltage [V]	230 / 115
Frequency [Hz]	50/60