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## RV 10 digital V

/// Data Sheet

The RV 10 digital represents the continual enhancement of the IKA RV 10 rotary evaporator line. The unit comes with an universal heating bath, vertical glassware, state-of-the-art safety features and digital connectivity. The RV 10 digital is a robust and reliable lab companion. Its optimized bath volume allows for fast heat-up times. The condenser unit has special designed glass tubes that utilize the 1500 cm<sup>2</sup> surface extremely efficient. That's why the RV 10 digital delivers reliable and reproducible process results that are usually reserved for more costly systems. Additional features such as smooth start, left-right interval or timer function capability support the user in their daily lab work. Another important aspect of the RV 10 digital are the sophisticated safety features. The motorized lift has an automated lift-out function in case of power outage to prevent superheating of the solvent. Safety temperature circuits can be set individually. Dry-run



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protection, adjustable lower end stop and lock function of bath setting complete the line of safety features. Furthermore, IKA offers a choice of coated glassware for increased safety needs. The RS 232 interface allows for remote control via IKAs “labworldsoft”. The Heating bath is controlled via the IR interface from the main unit.

- 4-liter heating bath
- Universal water/oil heating bath
- Vertical glassware
- Motorized lift with “safety-stop” function
- RS 232 and IR interface
- Optimized heating bath volume for fast heat-up
- Highly efficient 1500 cm<sup>2</sup> condenser unit
- Rugged design
- Ergonomically placed handles on Heating bath
- Smooth start
- Left-right interval
- Timer function
- Dry-run protection
- Safety temperature circuits
- Lower-end stop
- Choice of coated glassware
- Push-off mechanism to loosen tight fitted glassware
- Easy and safe operation due to ergonomical design of the user interface

#### Scope of delivery

- RV 10 digital drive
- HB digital S099
- RV 10.1 Glassware vertical
- RV 10.70 Vapor tube (NS 29/32)
- RV 10.8001 Seal
- RV 3.4 Woulff bottle
- RV 3.1 Support pole



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## Technical Data

|                                            |                  |
|--------------------------------------------|------------------|
| Type of cooling                            | vertical         |
| Cooling surface [cm <sup>2</sup> ]         | 1500             |
| Motor principle                            | DC               |
| Speed range [rpm]                          | 5 - 280          |
| Reversible direction of rotation           | yes              |
| Lift                                       | Motor            |
| Stroke [mm]                                | 140              |
| Heating temperature range [°C]             | room temp. - 180 |
| Heat output [W]                            | 1350             |
| Set temperature resolution [K]             | 1                |
| Filling volume max. [l]                    | 4                |
| Timer                                      | yes              |
| Dimensions (W x H x D) [mm]                | 500 x 430 x 440  |
| Weight [kg]                                | 32.36            |
| Permissible ambient temperature [°C]       | 5 - 40           |
| Permissible relative humidity [%]          | 80               |
| Protection class according to DIN EN 60529 | IP 20            |
| RS 232 interface                           | yes              |
| Voltage [V]                                | 220 - 240        |
| Frequency [Hz]                             | 50/60            |
| Power input [W]                            | 1400             |