ramé-hart Heated Environmental Cell Model 100-33

Heated Environmental Cell p/n 100-33

The ramé-hart Heated Environmental Cell (p/n 100-33) is designed to provide a precisely controlled environment for a wide range of experimental applications. Integrated heaters, regulated via the included Temperature Controller (p/n 100-50), enable precise thermal control up to 300°C with temperature stability maintained to within ±0.1°C. For experiments requiring lower temperatures, built-in cooling ports at the base of the chamber facilitate effective chilling.

Optional integration with a Quartz Cell allows for advanced studies of liquid/liquid or interfacial tension phenomena, offering exceptional optical clarity with minimal degradation due to the high-quality quartz windows.

This Heated Environmental Cell is compatible with all current ramé-hart models, most legacy systems, and can also function as a standalone unit, providing versatile utility across various experimental setups.

What's In The Box

Heated Environmental Cell (shown below), Temperature Controller (shown at right), power cord, and user guide. The chamber includes cooling ports for optional cycling of coolant or chilled water. Additional spare parts and options are sold separately.

Specifications

Element Type	Thermoelectric
Max. Temperature	300° C
Min. Temperature	-50° C*
Temp. Precision	0.10° C
Internal Dimensions	75 x 50 x 50 mm
Outside Dimensions	140 x 79 x 120 mm
Chamber Weight	0.950 kg
Models Supported	All ramé-hart models
Windows	Optical quartz glass
Controller	ramé-hart 100-50 included with temperature logging**

Options and Spare Parts

100-07-50	Quartz Cell
100-26-NE-22	Extended Length 22g Needle
100-30-09	Extended 250µL Tip Adapter
100-50-01	Thermocouple
100-30-SS	Septum Stopper Set
100-30-61	Set of Replacement Quartz Windows

Temperature Controller p/n 100-50 (included)

*Temperature Controller will control between ambient and 300° C. Temperatures below ambient are reported but not controlled. See our Peltier Environmental Chamber 100-30 for temperature control below ambient.

**Temperature logging requires DROPimage Advanced v2.7 or higher.

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