ramé-hart Environmental Chamber Model 100-07
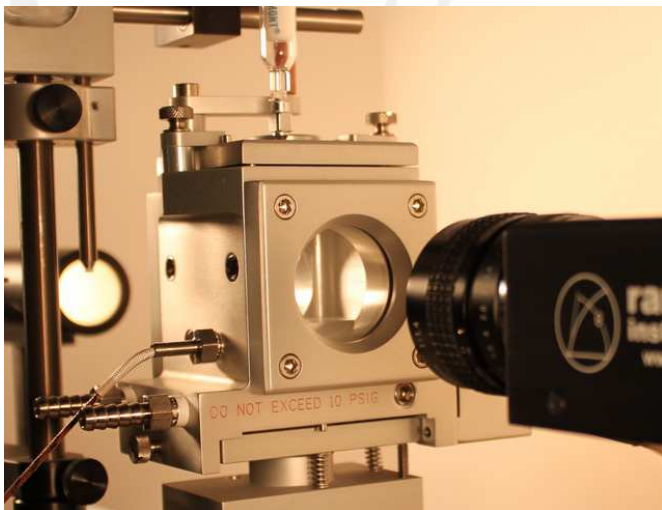
Environmental Chamber (p/n 100-07)

The ramé-hart Environmental Chamber provides a controlled environment for conducting a variety of experiment types. Integrated heaters regulate the chamber temperature up to 300° C (using the Temperature Controller p/n 100-50). Cooling ports in the base of the chamber permit a chilled environment. Additional ports allow gas purge of the chamber. Add a Quartz Cell for doing liquid/liquid studies and a Cover with Stage for captive bubble and inverted sessile drops. The Environmental Chamber is also compatible with the ramé-hart Elevated Temperature Syringe (p/n 100-11) when dispensing liquids with high melting points. Quartz windows offer the highest quality view with minimal optical degradation. The Environmental Chamber is supported on Models 260, 295, 500, and 590 as well as some legacy products (such as 100-00 and 300).

What's In The Box

Environmental Chamber (shown below), Controller (shown at right, when purchased with kit), installed thermocouple, slotted driver, User Guide, standard cover (without stage). The chamber includes cooling ports for optional cycling of coolant or chilled water. Additional spares and options sold separately.

Environmental Chamber Model 100-07

Specifications

Element Type	Thermoelectric
Max. Temperature	300° C
Min. Temperature	-50° C*
Temp. Precision	0.10° C
Internal Dimensions	50 x 30 x 50mm
Outside Dimensions	130 x 89 x 146mm
Chamber Weight	1.43 kg
Models Supported	260, 295, 500, 590, 100-00, 300
Windows	Optical quartz glass

Options and Spare Parts

100-50	Temperature Controller
100-32	Temperature Logger**
100-09	Cover with Stage
100-11	Elevated Temperature Syringe
100-07-50	Quartz Cell
100-26-NE-22	Extended Length 22g Needle
100-30-09	Extended 250µL Tip Adapter
100-50-01	Thermocouple

Temperature Controller p/n 100-50

*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.