

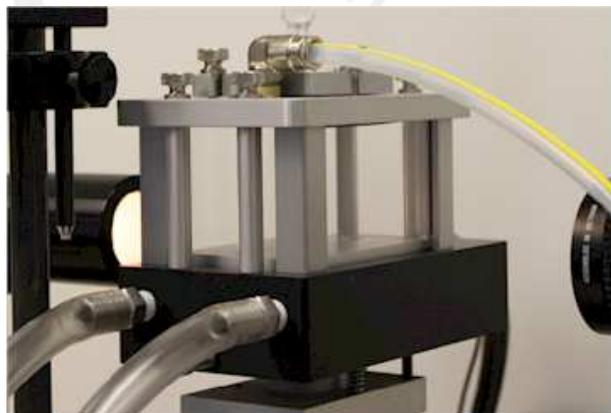
ramé-hart Peltier Environmental Chamber Model 100-30

Peltier Environmental Chamber (p/n 100-30)

The Peltier Environmental Chamber leverages the power and flexibility of the Peltier effect. Using a multistage thermoelectric module, the chamber is able to be precisely regulated from -50° to 150° C. A temperature controller is included for regulating the DC current through the module in order to achieve and hold any chilled or elevated temperature within the range to within 0.1° C. The Peltier module is rated for 100,000 hours offering a long and reliable life. Nitrogen gas or dried air is used for chilled temperatures to prevent condensation. A nitrogen kit with tank and regulator is also available if your lab does not already have nitrogen service. Ice water is circulated through the base of the chamber during chilling cycles to draw away the heat produced by the multistage module.** Add a Quartz Cell for liquid/liquid studies. The Peltier Environmental Chamber is supported on every ramé-hart instrument.*

What's In The Box

Peltier Environmental Chamber (shown below), Controller (shown at right), chilled water pump and vessel, tubing, cabling, set of (3) septum stoppers, extended adapter for 250 μ L dispensing tips, extended length 22g needle, set of (4) quartz glass windows, user guide. Nitrogen Kit sold separately.



Peltier Environmental Chamber Model 100-30

Specifications

Element Type	Multistage Peltier Thermoelectric
Temperature Range	-50° to 150° C
Temp. Precision	0.10° C
Internal Dimensions	81 x 55 x 44 mm
Outside Dimensions	133 x 76 x 108 mm
Chamber Weight	1.13 kg (2.5 lbs)
Models Supported	Any ramé-hart instrument*
Windows	Optical quartz glass (4)
Coolant Type	Chilled water**
Gas Type	Nitrogen or dry air**

Options and Spare Parts

100-30-NKIT	Nitrogen Kit**
100-30-DAK	Dry Air Kit**
100-07-50	Quartz Cell (for liquid/liquid studies)
100-30-SS	Replacement Septum Stopper Set
100-26-NE-22	Extended Length 22g Needle
100-30-09	Extended 250 μ L Tip Adapter
100-30-61	Set of Replacement Quartz Windows



Peltier Environmental Chamber Controller

*DROPIimage Advanced v2.7 or higher is required for optional temperature logging.

**Chilled water and either nitrogen gas or dry air are only required for chilled temperatures.

ramé-hart instrument co • www.ramehart.com • 973-448-0305 • fax 973-448-0315

19 Route 10 East • Suite 11 • Succasunna • New Jersey • 07876 • USA

