

Extended Sample Compartment

For the Cary 4000, 5000 and 6000i

Part Number: 0010079800

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Note

If you are using a Cary 4, 5, 400, 500 and 500i you will need to use Extended Sample Compartment PN 00 100466 00.

Introduction

Some accessories which attach to the Cary spectrophotometer require the use of an Extended Sample Compartment. These accessories include:

Description	Part number
Absolute Specular Reflectance accessory	00 100438 00
Diffuse Reflectance accessory	00 100449 00
Dual Cylindrical Thermostatable cell holders	00 100467 00
Dual Rectangular Thermostatable cell holders	00 100468 00
Multicell Block	00 100446 00
Praying Mantis	00 100469 00
Sample Transport accessory	00 100447 00

The Cary Extended Sample Compartment comes as a base and separate cover. The cover sits on the base and hooks into the sample compartment walls of the spectrophotometer. In use, the cover can be either completely removed (allowing complete access to the sample compartment), or it can be lifted and swung backwards on the hinge to allow quick sample mounting.

The base has built-in hose fittings for use with thermostatable accessories which require connection to a water bath.

The Extended Sample Compartment extends the length of the Cary spectrophotometers by approximately 180 mm.

Installation

To install the Extended Sample Compartment, follow these steps:

1. Slide back the sample compartment lid on the Cary spectrophotometer, and remove the front panel of the sample compartment.
2. Slot the two pins on the base of the Extended Sample Compartment into the key-holes on the instrument (see figure following).
3. Gently lower the base of the accessory so that the pins slide securely into the bottom of each key-hole and holds in place.
4. Install the accessory requiring the Extended Sample Compartment according to the appropriate manual.
5. Fit the cover onto the base and tilt it forward to lock it into position.

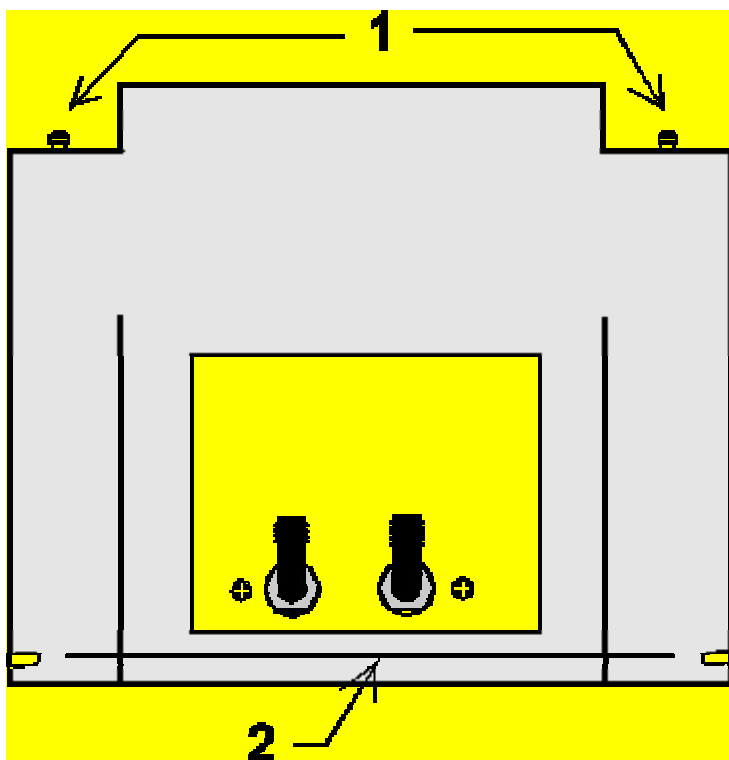


Figure 1: A simplified diagram of the base of the accessory viewed from above, showing positions of (1) locking pins, and (2) hinge bar.

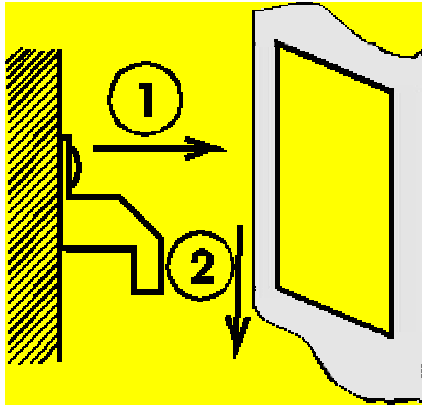


Figure 2: The hooks at the front of the Extended Sample Compartment cover fit in the holes in the instrument.

The Extended Sample Compartment is now ready for use.

Specifications

Internal dimensions

Width	154 mm
Height	212 mm
Depth	170 mm

Hose connections

External	2 barbs to fit 6 mm ID tubing
Internal	2 elbows to fit 6 mm ID tubing

Using the Extended Sample Compartment

To use the Extended Sample Compartment with the spectrophotometer, close the sample compartment lid, being careful to slide the lid the extra distance into the Extended Sample Compartment cover.



Note

The Multicell Holder is equipped with its own base for the Extended Sample Compartment. The tubing for connection to the Temperature Controller is already fitted to the base. The controls for the stirrers are also built into this base.

If access to the sample compartment is required, you may either remove the accessory cover completely, reversing the installation procedure, or you may lift and slide the cover back onto the hinge. To do this:

1. Open the sample compartment lid.
2. Lift the accessory cover to unhook it from the instrument, and slide it back on the base as far as it will go. The hooks at the bottom rear of the cover will slide over the hinge bar at the rear of the Extended Sample Compartment base.
3. With the cover hooked over the hinge bar, tilt the cover back.

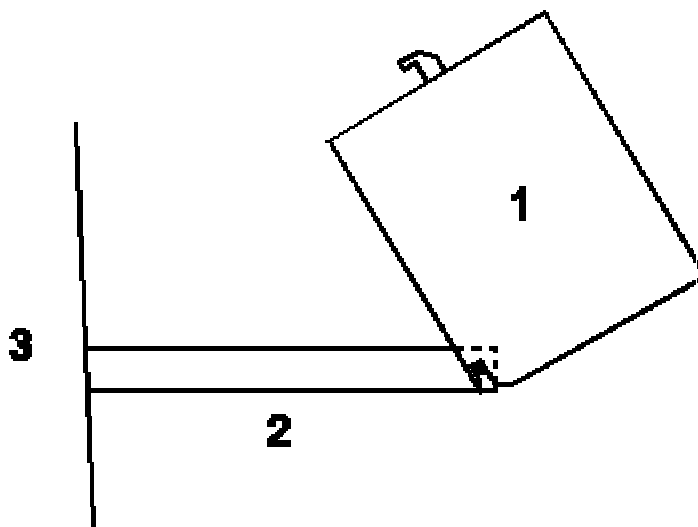


Figure 3: The cover of the accessory (1) tilts back on the hinge in the base (2). (3) is the instrument.



Note

To install and/or remove an accessory requiring the Extended Sample Compartment, it is best to completely remove the cover to allow unrestricted access to the sample compartment of the spectrophotometer.