

# SPECIFICATIONS

## AccuPyc® 1340 - Pycnometer



### ENVIRONMENT

Stable between 15 to 35 °C (59 to 96 °F)

**Temperature** Temperature-controlled AccuPyc: temperature stability is dependent upon specifications of the installed circulator. Recommended range: 15 to 50 °C (59 to 122 °F.)

**Humidity** 20 to 80% relative, non-condensing.

### PHYSICAL

<b>Height</b>	17.9 cm (7.0 in), analysis modules for 1-, 10-, and 100-cm <sup>3</sup> units, and control module. 25.9 cm (10.2 in.), 350-cm <sup>3</sup> analysis module. 43.0 cm (17.0 in.), 2000-cm <sup>3</sup> analysis module.
<b>Width</b>	27.3 cm (10.7 in), control module. 27.3 cm (10.7 in), control module. 27.0 cm (10.6 in), 2000-cm <sup>3</sup> analysis module.
<b>Depth</b>	36.2 cm (14.3 in.)
<b>Weight</b>	9.3 kg (20.5 lbs), control/analysis unit (1-, 10-, and 100-cm <sup>3</sup> units.) 7.9 kg (17.4 lbs), analysis module (1-, 10-, and 100 cm <sup>3</sup> units.) 10.5 kg (23.2 lbs), analysis module (350-cm <sup>3</sup> unit.) 3.6 kg (8.0 lbs), control module. 26.0 kg (57.0 lbs), 2000-cm <sup>3</sup> analysis module.

### ELECTRICAL

<b>Voltage</b>	90 to 264 VAC
<b>Power</b>	30 VA
<b>Frequency</b>	50 to 60 Hz

# SPECIFICATIONS

## AccuPyc® 1340 Pycnometer

### SAMPLE CHAMBER

1 cm <sup>3</sup> chamber:	1.15 cm ID x 1.1 cm D (0.45 in. ID x 0.44 in. D.)
10 cm <sup>3</sup> chamber:	1.80 cm ID x 3.93 cm D (0.72 in. ID x 1.55 in. D.)
100 cm <sup>3</sup> chamber:	4.62 cm ID x 6.17 cm D (1.82 in. ID x 2.43 in. D.)
350 cm <sup>3</sup> chamber:	5.84 cm ID x 13.94 cm D (2.30 in. ID x 5.49 in. D.)
2000 cm <sup>3</sup> chamber:	9.7 cm ID x 26.00 cm D (3.80 in. ID x 10.20 in. D.)

### ANALYSIS

Precision	Reproducibility typically to within ± 0.01% of the nominal full-scale sample cell chamber volume. Reproducibility guaranteed to within ±0.02% of the nominal full-scale volume on clean, dry, thermally equilibrated samples using helium in the 15 to 35 °C range.
Accuracy	Accurate to within 0.03% of reading, plus 0.03% of sample capacity.

### COMPUTER HARDWARE AND SOFTWARE

Minimum Requirements	A computer is not required if the keypad / display is used. When used in this configuration data can be sent to a USB equipped printer. To run the Windows compatible software the following applies:  Pentium 333 MHz or equivalent. One CD ROM drive. 128 megabytes of RAM. 1-gigabyte hard drive. 1024 x 768 video display capability. Windows 2000 or XP professional. Ethernet port (capable of communicating with a 10 base-T ethernet card)
----------------------	--

### GASES

Research grade helium is recommended. If unavailable, use helium with a dew point of -67 °C (-88 °F) or lower. Carbon dioxide, argon, dry air, or nitrogen can also be used for different applications. A multigas option is available for connection of multiple gases).

Due to continuous improvements, specifications are subject to change without notice.

