

Pacific Scientific ABS-2

## Automatic Bottle Sampler



Limited Availability  
Used and in Excellent Condition

Open Web Page

<https://www.artisantg.com/85816-1>

All trademarks, brandnames, and brands appearing herein are the property of their respective owners.



Your **definitive** source  
for quality pre-owned  
equipment.

**Artisan Technology Group**

(217) 352-9330 | [sales@artisantg.com](mailto:sales@artisantg.com) | [artisantg.com](http://artisantg.com)

- Critical and expedited services
- In stock / Ready-to-ship

- We buy your excess, underutilized, and idle equipment
- Full-service, independent repair center

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.



## Model ABS-2 Automatic Bottle Sampler

- Pressure range to 60 psi allows viscosities to 80 centistokes
- Automatic drain
- Precision flow control valve
- Vacuum mode removes bubbles
- Pushbutton switches from pressure to vacuum mode
- Electromagnetic stirrer
- Drip tray for clean work area
- Volume measurement for contamination concentration levels
- Manual or automatic operation

The HIAC Model ABS-2 is a pressure sampling device used for batch analysis of volatile or viscous fluids. The Model ABS-2 accurately delivers fluid to the sensor at flow rates of 10 to 200 ml/min. It contains a precision metering valve for accurate control of flow rates, regardless of sample viscosity. A check valve in the sample introduction line eliminates backflow and minimizes sample cross contamination, and an automatic drain mechanism allows unattended sample analysis of multiple runs.

The Model ABS-2 sampler has a built-in pressure/vacuum chamber that subjects samples to pressures up to 60 psi, accommodating viscosities up to 80 centistokes. In addition, vacuum levels of 23 psi are used to degas samples which contain entrained air. The precision metering valve, which lies downstream of the sensor, also serves to reduce the pressure drop across the sensor thereby minimizing cavitation of volatile samples.

The sample platform is constructed of durable anodized aluminum. The dual latch mechanism of the older design is replaced with a new circular locking ring engaged by an easy-to-grasp handle, allowing for "one-hand operation." The sampler can interface directly to a pressurized house air source or a pressure/vacuum pump. An internal filter and moisture trap provide a clean dry source of air to the sample chamber to prevent moisture contamination of oil samples.

### Specifications

Pressure Range 10 to 60 psi (0.7-4 atm)  
Flow Rate Accuracy  $\pm 5\%$  of selected volume  
Sample Flow Rate 10 to 200 ml/min, user adjustable  
Sample Volume 10 to 100 ml, user adjustable  
Repeatability  $\pm 1\%$  flow rate  
Operating Environment 41 to 104°F (5 to 40°C)  
0 to 80%, relative humidity, non-condensing  
Power Voltage 100-120 or 220-240 VAC  
Frequency 47 to 63 Hz  
Maximum Current 0.630 A @ 115 VAC  
0.50 A @ 220 VAC

Dimensions 12" wide x 11" deep x 19" high (30 x 28 x 48 cm)

Sample Bottle Clearance Standard unit: 5.8" (14.7 cm)

Extension kit: 9.0" (22.8 cm)

Weight 22 lbs (10 kg)

#### **Wetted Materials**

Teflon® (PTFE, TFE, PFA)

Kel-F™

Borosilicate Glass

Schott BK7™

Stainless Steel 316

Viton™

Stycase™ 2850 Adhesive

#### **Accessories Included**

Sampler

Stirring rod

Manual

#### **When Ordering, specify**

Power (AC) 100-120 VAC or 220-240 VAC

#### **Optional Accessories**

Cables and power cord

Pump, 100 VAC

Pump, 115 VAC

Pump, 220 VAC

# Artisan Technology Group is an independent supplier of quality pre-owned equipment

## Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

## We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

## Learn more!

Visit us at [artisanng.com](https://www.artisanng.com) for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

**We're here to make your life easier. How can we help you today?**

(217) 352-9330 | [sales@artisanng.com](mailto:sales@artisanng.com) | [artisanng.com](https://www.artisanng.com)

