



WORLDWIDE LEADER OF SOURCE SAMPLING EQUIPMENT

## ▶ XC-5000

### XC-5000 AUTOKINETIC™ SAMPLING CONSOLE

VERSATILE, RELIABLE, WORRY-FREE

The **XC-5000 Autokinetic™ Sampling Console** is designed for conducting US EPA Method 5 and associated isokinetic methods. Take the worry out of isokinetic sampling and the human error out of manual data entries and calculations. The XC-5000 is compatible with your existing Method 5 stack sampling components. Report preparation is streamlined with accurate data that can be downloaded for easy report preparation. Bright LED screen displays port, point, time, vacuum and other information readable in most lighting conditions.

The AutoKinetic proprietary software is designed to be intuitive and user-friendly. The stepwise functionality of the windows-based program guides the user through the creation of a complete test profile ensuring all test parameters are met and while assuring data integrity. The software also allows for quick and easy data export for report generation.

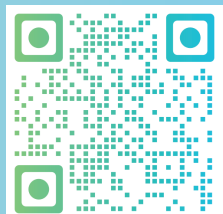


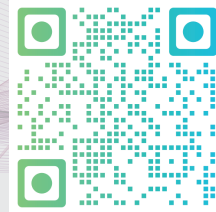
**Model XC-5000**

No need to risk human error, let the XC-5000 do the hard work.

## Features

- Automated sampling console improves data integrity
- Improves precision & provides quality measurements
- Rugged & lightweight roto-molded linear low-density polyethylene (LLDPE/LMDE) case with two molded-in ergonomic carrying handles
- Windows-based interface guides the operator through the sampling process
- Calculates traverse points, ideal nozzle diameter, and isokinetic rate
- Accepts standard modules for various EPA Methods
- Software assisted pre- and post-leak checks
- Optional automatic pause function
- Notifies operator to move probe to the next traverse point
- Alerts operator of the completion of a test segment
- Stores sampling profiles and data
- English or metric units
- Multilingual language editor
- 7" Diagonal, full color, sunlight-readable LED display





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### XC-5000 AUTOKINETIC™ SAMPLING CONSOLE METHOD 5 AND ASSOCIATED ISOKINETIC SAMPLER

2. Alarm

3. Gas Meter Temp. Sensor

1. Digital Filter and  
Probe  
Temperature  
Controllers

4. Dry Gas Meter (DGM)

5. Calibration Gas  
Connectors

8. Quick Connects

6. Ethernet Port



7. Color-Coded Thermocouple Jacks

## Specifications

**Dry Gas Meter:** precision DGM, 0.7 liters per revolution, digital encoder, and 2 cm<sup>3</sup> resolution

**Temperature Control:** Integrated temperature control via the control and data acquisition board, probe, and oven with solid-state relays

**Thermocouple Display:** seven temperatures displayed simultaneously on the PC user interface, °F or °C, probe, stack, oven, filter, exit, aux, and DGM

**Digital Pressure Transducers:** for ΔH, and ΔP (bi-directional), barometric

- Pitot ΔP
  - Range: +/-2.5 inches, +/- 63 mm
  - Resolution: 0.01 inch, 0.1 mm
- Orifice ΔH
  - Range: 0 – 5 inches, 0 – 127 mm
  - Resolution: 0.01 inch, 0.1 mm
- Barometric
  - Range: 17.7 – 32.5 inHg, 450 – 825 mmHg
  - Resolution: 0.01 inHg, 0.1 mmHg
- Vacuum sensor
  - Range: 0–30 inHg, 0–101 kPa
  - 2% accuracy

### Umbilical Connections:

- Electrical: 4-conductor circular connector, grounded shell
- Sample line: stainless steel 1/2-inch quick connect
- Pitot line: stainless steel 1/4-inch quick connects (optional 3/8")
- External pump: stainless steel 3/8-inch quick connect
- Thermocouples: type-K standard size

**Communication:** Ethernet

**Optional:** 4-channel analog input module for logging external data (4–20ma, 0–10V, 1–5V)

**Power:** 120 V at 60 Hz or 240 V at 50 Hz (optional)

**Console power requirements:** 15-amp max

**Dimensions:** H23" x W21" x D12" (58 cm x 53 cm x 30.5 cm)

**Weight:** 39 lbs (17.7 kg)

# ISOKINETIC SOURCE SAMPLING METER CONSOLE LEGEND

**XC-5000**  -

## Power Output Option:

- A** = 5 Pin Amphenol  
(Size 14S Shell - Male/97 Series)
- B** = 5 Pin Amphenol  
(Size 14 Shell - Bayonet Style/PT Series)
- C** = 5 Pin Amphenol  
(Size 16S Shell - Male/97 Series)

## Calibration Units:

- BLANK** = Calibrated in Metric/  
Temperature in Degrees F
- M** = Calibrated in Metric/  
Temperature in Degrees C

## Pitot Quick Connects:

- BLANK** = 1/4" Instrumental
- QS6** = 3/8" Instrumental

## Voltage:

- BLANK** = 120V
- V** = 240V