

XC-500 SERIES SOURCE SAMPLER CONSOLES

XC-500 Series Source Sampler Consoles are rugged, lightweight metering consoles used to extract gas samples in accordance with US EPA Method 5 for determining source emissions for dust and fumes. The Apex Isokinetic Source Sampler allows the operator to monitor gas velocities, temperatures, pressures and adjust sample flow rates to maintain isokinetic sampling conditions. Comes with digital temperature controllers, a choice between digital or liquid manometers, digital temperature displays and external pump connections. Stainless steel fittings and quick connects are standard. Units in the XC-500 Series are available in Standard or Metric units, 110V or 220VAC, optional internal orsat pump. XC-500 Series Sampling Console features a molded, rugged X-case with side handles for attaching the easy carry strap. The X-case allows for rear door access. Apex Instrument's Isokinetic Sampling Consoles are manufactured to conform to the construction design criteria and specifications cited in U.S. EPA Method 5, Code of Federal Regulations (40 CFR Part 60) and APTD-0581 documents. All Apex consoles are calibrated prior to shipping.

XC-572 Manual Source Sampling Console

The XC-572 Source Sampling Console is the metric version of the XC-522. It is a full featured, compact, and lightweight Isokinetic Source Sampler. It has all the great features you want and the reliability you need. Field set up is easy with non-reversible external pump connections and the industry standard 4-pin electrical connector. (External sample pump sold separately). Console allows operators to monitor gas velocities, temperatures, pressures, and sample flow rates for maintaining isokinetic sampling conditions.

Method 5



ISOKINETIC SOURCE SAMPLING XC-572 METER CONSOLE LEGEND

XC-572 -

Power Output Option:

BLANK - 4 Pin Amphenol (END OF LIFE)
(Size 14S Shell - Female/97 Series)

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)

D - 4 Pin Amphenol
(Size 14S Shell - Male/97 Series)

Gas Meter Display Options:

BLANK = Mechanical Index

D = Digital (Red Lion)

Orsat Pump (Optional):

BLANK = None

O = Integrated Orsat Pump

Pitot Quick Connects:

BLANK = 1/4" Instrumental

QS6 = 3/8" Instrumental

Voltage:

BLANK = 120V

V = 240V

MARKETING LEGEND
(rev1 5-11-2020)

Features:

- Precision gas meter with leak check indicator
- Low Cost - Manual Console
- Easy Operation and Maintenance
- Rugged, Lightweight, Stackable Case
- Removable 19" Front Panel
- Carry Strap for Easy Transport
- Non-Reversible Sample Pump Connections
- Color Coded Thermocouple Jacks
- Bright, Easy-to-Read Temperature Displays
- Easy-Leveling Dual Column Manometer
- Stainless Steel Quick Connects & Fittings
- Convenient Layout for Manual Data Recording

ISOKINETIC SOURCE SAMPLER CONSOLES

Apex Instruments offers a choice of different Source Sampler Consoles configured to meet your needs. Consoles feature a new custom rotationally molded rugged X-Case with side handles and rear door access, digital temperature controllers, dual column manometer, digital temperature displays and external pump assembly. Standard with stainless steel fittings and quick connects. English or metric units.

XC-522 Manual Source Sampling Console

The Apex Instruments Model XC-522 is a full featured manual meter console. The Apex Isokinetic Source Sampling Console allows the operator to monitor gas velocities, temperatures, pressures and adjust sample flow rates to maintain isokinetic sampling conditions. Designed with convenient display layout for manual data recording. The Apex Instruments Isokinetic Source Sampling Consoles are manufactured to conform to the construction design criteria and specifications cited in U.S. EPA Method 5, Code of Federal Regulations (40 CFR Part 60) and APTD-0581 documents.

Method 5



Features:

- Low Cost - Manual Console
- Easy to Operate and Maintain
- Rugged, Lightweight, Stackable Case
- Removable 19" Front Panel
- Carry Strap for Easy Transport
- Non-Reversible Sample Pump Connections
- Color Coded Thermocouple Jacks
- Bright, Easy-to-Read Temperature Displays
- Easy-Leveling Dual Column Manometers
- Dry Gas Meter with direct read index
- Stainless Steel Quick Connects & Fittings

ISOKINETIC SOURCE SAMPLING XC-522 METER CONSOLE LEGEND

XC-522 -

Power Output Option:

BLANK - 4 Pin Amphenol (Standard)
(END OF LIFE)
(Size 14S Shell - Female/97 Series)

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)

D - 4 Pin Amphenol
(Size 14S Shell - Male/97 Series)

Gas Meter Display Options:

BLANK = Mechanical Index
D = Digital (Red Lion)

Orsat Pump (Optional):

BLANK = None
O = Integrated Orsat Pump

Pitot Quick Connects:

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

Voltage:

BLANK = 120V
V = 240V

SAMPLE PUMP ASSEMBLIES



XE-0523

MODEL XE-0523 LUBRICATED ROTARY VANE PUMPS

Specifications:

Motor: 1/4 hp, 120/240V, 60/50Hz, 4.6/2.3 Amp, RPM 1725/1425

Flow: 4.5 cfm (Open); 1.5cfm@15" HG

Lubricator: Adjustable wick-style

Maximum Vacuum: 25" HG

Weight: 41 lbs. (18 kg.)

Dimensions: 22.5" W x 11" H x 12.5" D

Model	Description
XE-0523	Rotary Vane Pump in a Molded X-Case (120V/ 60 Hz)
XE-0523-V	Rotary Vane Pump in a Molded X-Case (240V/ 50Hz)



E-0523

MODEL E-0523 LUBRICATED ROTARY VANE PUMPS

Specifications:

Motor: 1/4 hp, 120/240V, 60/50Hz, 4.6/2.3 Amp, RPM 1725/1425

Flow: 4.5 cfm (Open); 1.5cfm@15" HG

Lubricator: Adjustable wick-style

Maximum Vacuum: 25" HG

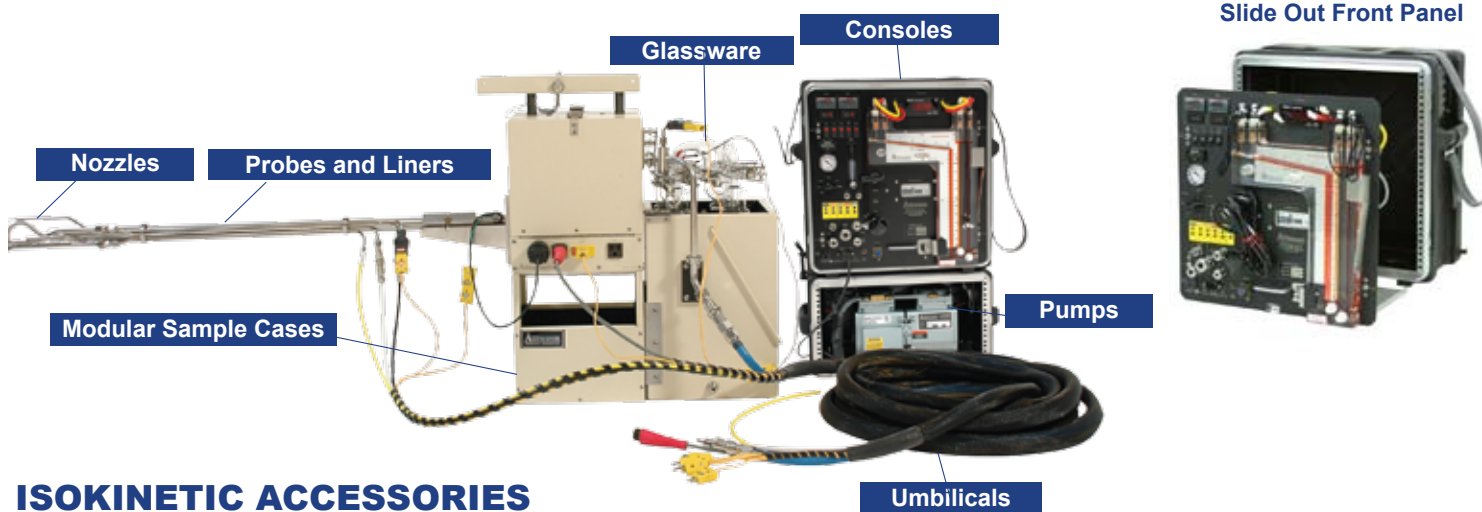
Weight: 41 lbs. (18 kg.)

Dimensions: 22.5" W x 11" H x 12.5" D

Model	Description
E-0523	Rotary Vane Pump in Tubular Steel Frame (120V / 60 Hz)
E-0523-V	Rotary Vane Pump in Tubular Steel Frame (240V / 50Hz)

VERSATILE SYSTEM DESIGNS

Due to often complex and challenging stack testing locations, we offer versatile Source Sampling Systems, such as our Flexible Method 5 Train and the Compact Method 5 Train. Please visit our website at www.apexinst.com for a complete listing of all our systems.



ISOKINETIC ACCESSORIES

UMBILICAL CABLES

Umbilical Cables are available for both rigid and flexible sampling arrangements. Standard cables feature high quality instrumentation quick-connect fittings, standard thermocouple connectors, stranded Type “K” wire and overbraid sleeve.

METHOD 5 PUMP ASSEMBLIES

The XE-0523 and the XE-DAA both feature the rugged, weather resistant, custom designed UHMW X-case pump enclosure. Choose between diaphragm or vane pumps. Alternative pumps available upon special request.

DELUXE METHOD 5 GLASSWARE SET

The Deluxe Method 5 Glassware Set with Transport Case contains all the glassware for two runs, plus spares. Four filter assemblies cover three sampling runs plus one as a spare. Two full sets of impingers and U-tubes permit a second run before recovering the first run results. The deluxe glassware set includes spare impingers, U-tubes and double “L” adapters. the glassware set fits easily into foam lined custom pockets. The sturdy transport case is lockable for secure chain-of-custody.

METHOD 5 PROBE ASSEMBLIES

Includes stainless steel probe sheath, heater, liner, Type “S” pitot tubes and thermocouple. A wide variety of liner and sheath materials are available. Ask about optional oversheaths.

NOZZLES FOR ISOKINETIC SAMPLING

Isokinetic nozzles and accessories are available from a variety of materials in a full range of sizes.

MODULAR SAMPLE CASES

Versatile, lightweight Modular Sample Case Assemblies are available in a variety of configurations. Offered are two different filter ovens and two different risers, that can attach to the bottom of both ovens. We also offer four types of impinger cases which all slide on and off for easy changing of the impingers between test runs. Several standard assemblies are available.

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