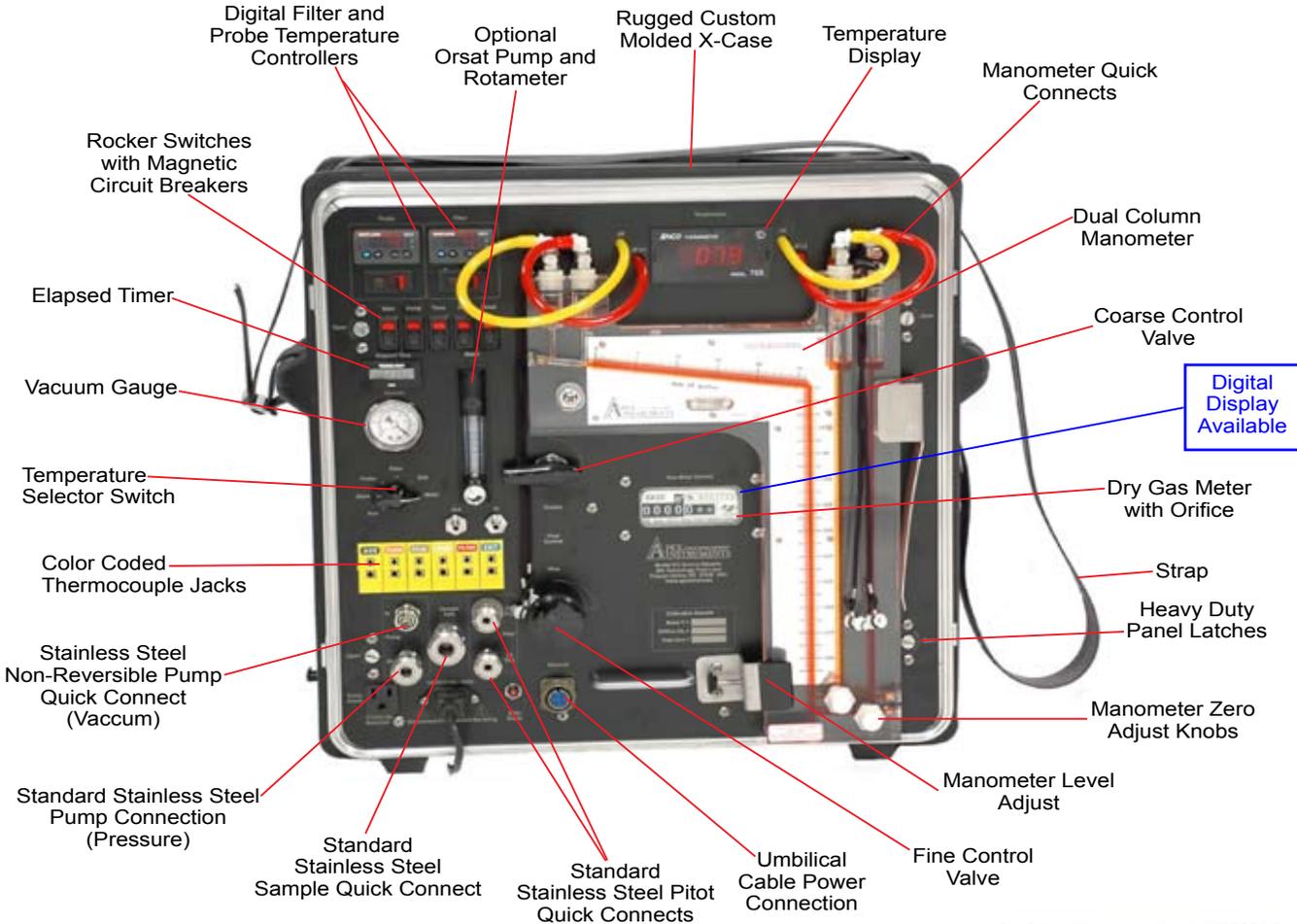


# ISOKINETIC SOURCE SAMPLING EQUIPMENT

## XC-500 SERIES ISOKINETIC SOURCE SAMPLING CONSOLE - MANUAL

The XC-500 Series Sampling Console is a rugged, lightweight metering console 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.



### Slide Out Front Panel

The meter console has a slide-out panel for easy access.



### Rear View

Removable back panel allows for quick audits.



### Portable

X-Case with Sample Pump.



**Pacwill**  
Environmental

For more information, contact us : [sales@pacwill.ca](mailto:sales@pacwill.ca)

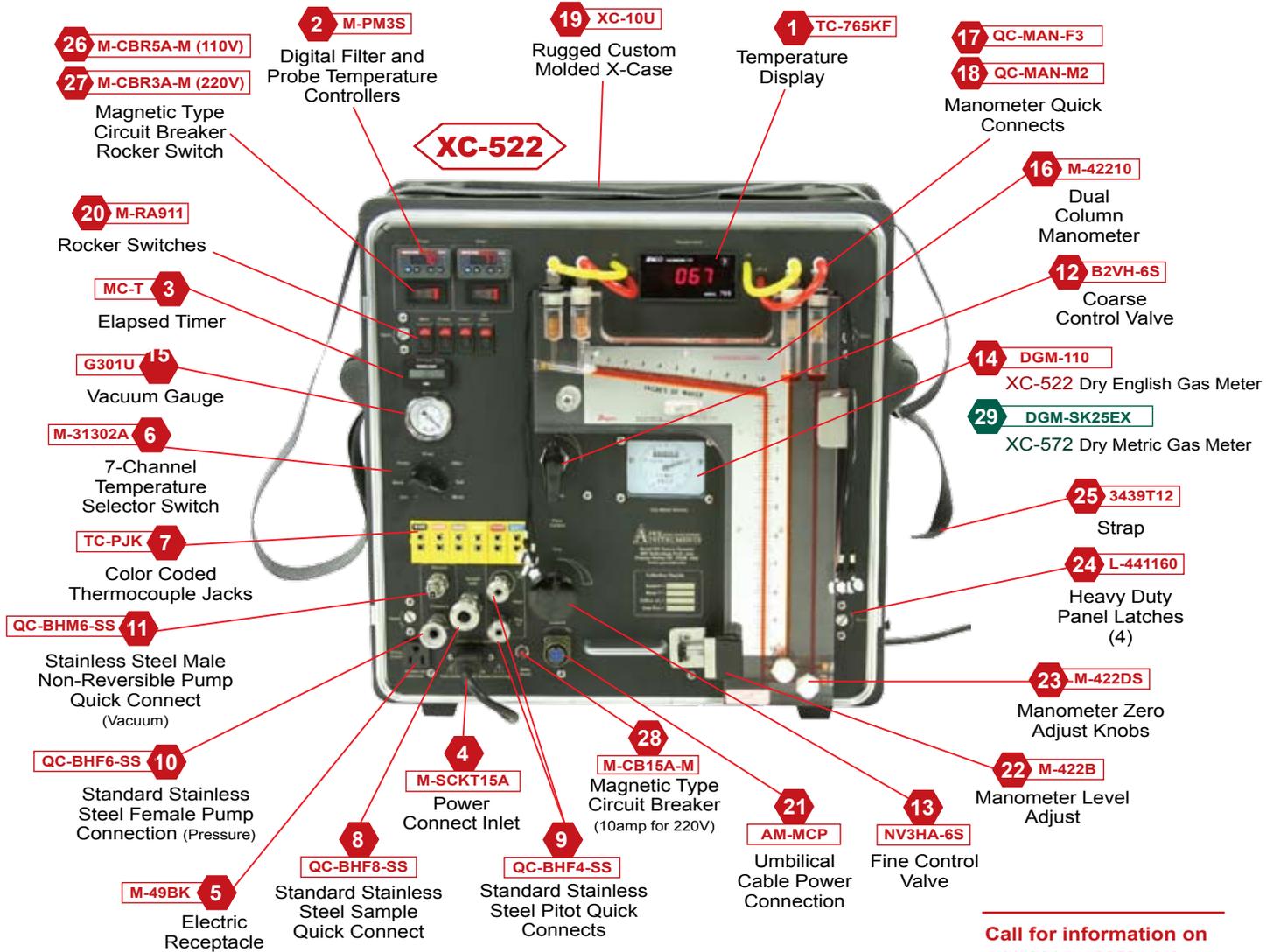
**Pacwill Environmental**

905.563.9097

Toll-Free (Canada): 1-866-840-0014

[www.pacwill.ca](http://www.pacwill.ca)

**XC-522 SOURCE SAMPLING CONSOLE (ENGLISH)**  
**XC-572 SOURCE SAMPLING CONSOLE (METRIC)**



**XC-522 and XC-572 Components List**

Call for information on  
 110V / 240V Models.

| Part Number | Description                                  | Part Number            | Description   |
|-------------|--|------------------------|---|
| 1           | TC-765KF Display, TC, PNL, LED, 120/220V     | 18                     | QC-MAN-M2 QC-Manometer, M-1/4HB, Delrin   |
| 2           | M-PM3C Controller, Temp, Red LED, Watlow     | 19                     | XC-10U Black RotoRack Shallow Case  |
| 3           | MC-T Timer, MC, Veeder-Root                  | 20                     | M-RA911 Switch, Curvette, EC Comp., I-O   |
| 4           | M-SCKT15A Conn, Pwr, IEC Inlet 15A/250V      | 21                     | AM-MCP Replacement Meter Console Wired Amphenol Sub-Assembly                            |
| 5           | M-49BK Recept, EL, Snap-In, Term             | 22                     | M-422B Bracket, Manometer, Adjust, Stainless Steel                                      |
| 6           | M-31302A Switch, TC, 7 Channel               | 23                     | M-422DS Manometer Displacer Knob  |
| 7           | TC-PJK TC Jack, Type K, PNL, Snap-In         | 24                     | L-441160 Latch, Panel, Screw, Large   |
| 8           | QC-BHF8-SS QC, Blkhd, 1/2IN-1/2TU, F, SS     | 25                     | 3439T12 Webbing, 2", Black Nylon  |
| 9           | QC-BHF4-SS QC, Blkhd, 1/4IN-1/4TU, F, SS     | 26                     | M-CBR5A-M Magnetic Type Circuit Breaker Rocker Switch, 5 Amp., 120V                     |
| 10          | QC-BHF6-SS QC, Blkhd, 3/8IN-3/8TU, F, SS     | 27                     | M-CBR3A-M Magnetic Type Circuit Breaker Rocker Switch, 3 Amp., 240V                     |
| 11          | QC-BHM6-SS QC, Blkhd, 3/8IN-3/8TU, M, SS     | 28                     | M-CB15A-M Magnetic Type Circuit Breaker, 15 Amp., Used in 120V Consoles as Main Breaker |
| 12          | B2VH-6S Valve, Ball, 3/8TU, SS, PNL, Nut     |                        |   |
| 13          | NV3HA-6S Valve, Needle, Angle, 3/8T-3/8T, SS |                        |   |
| 14          | DGM-110 Meter, Dry Gas, 110 Rockwell         |                        |   |
| 15          | G301U Gage, Vac, 0-30HG, 1.5IN, PNL          |                        |   |
| 16          | M-42210 Manometer, Dual, PNL, 0-10" H2       |                        |   |
| 17          | QC-MAN-F3 QC-Manometer, F-1/8MNPT            |                        |   |
|             |  | <b>XC-572 (Metric)</b> |   |
|             |  | 29                     | DGM-SK25EX SK25EX Dry Gas Meter   |

## XC-572 Source Sampling Console

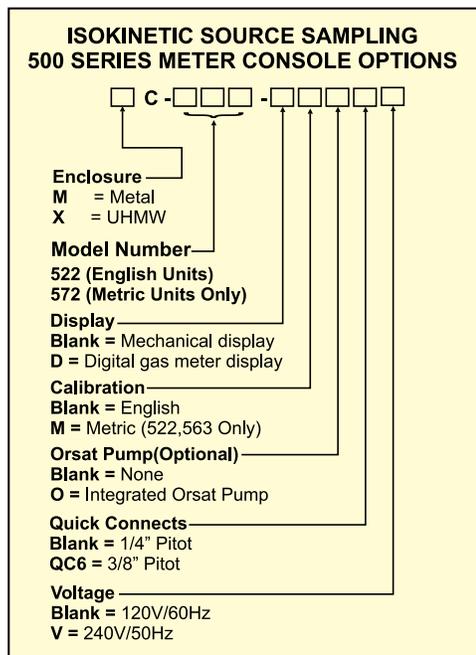
The XC-572 Source Sampling Console is the metric version of the XC-522. It is a full featured, compact, and lightweight Isokinetic Source Sampler. It has all the great features you want and the reliability you need. Field set up is easy with non-reversible external pump connections and the industry standard 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.

### Features:

- Precision Gas Meter
- 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



**XC-572 Source Sampler**



## XC-572 Metric Units

| Model        | Description  |
|--------------|--|
| XC-572       | XC-572 Isokinetic Meter Console, Metric, 120V/60Hz                                       |
| XC-572-V     | XC-572 Isokinetic Meter Console, Metric, 240 V/50 Hz                                     |
| XC-572-O     | XC-572 Isokinetic Meter Console, Metric, with optional Orsat Pump Assembly, 120V/60Hz    |
| XC-572-OV    | XC-572 Isokinetic Meter Console, Metric, with optional Orsat Pump Assembly, 240 V/50 Hz  |
| XC-572-QC6   | XC-572 Isokinetic Meter Console, Metric with 3/8" Quick Connects, 110V/60Hz              |
| XC-572-OQC6  | XC-572 Isokinetic Meter Console, Metric, with Orsat Pump & 3/8 Quick Connects, 110V/60Hz |
| XC-572-QC6V  | XC-572 Isokinetic Meter Console, Metric, with 3/8" Quick Connects (240V)                 |
| XC-572-OQC6V | XC-572 Isokinetic Meter Console, Metric, with Orsat Pump & 3/8" Quick Connects (240V)    |

### Specifications

**Gas Meter:** SK25EM easy to read numeric index with leak check wheel, low pressure drop, rated 42 lpm at 15mm H<sub>2</sub>O, maximum capacity approx. 70 lpm. Totalizer capacity 9999.9999 cubic meter, resolution 0.1 Liter.

**Manometer:** Dual Inclined/Vertical Manometer for determining stack velocity and sample flow rate. Inclined Range of 0-26mm H<sub>2</sub>O with .2mm. Vertical Range of 26-250mm H<sub>2</sub>O with .2mm. Fabricated from solid acrylic, precision bored, accurate to +/- 1%. Convenient self-sealing chrome plated brass quick-connects with Viton® O-Rings. Supplied with plastic plugs for positive secondary seal.

**Temperature Display:** Panel mount digital thermometer, bright red LED display, 1/8 DIN plastic housing. Range -105°C

**Temperature Controllers for Probe and Oven:** 1/32 DIN bright red LED display, indicating temperature controllers with separate 25 amp solid state relay, auto-tuning. Standard Type-K jack for input.

**Vacuum Gauge:** Dual Scale Vacuum Gauge, 0-30" Hg / 0-100kPa.

**Sample Pump Connections:** 3/8" Quick Connects, Stainless Steel, non-reversible.

**Umbilical Connections:** Sample Inlet: 1/2" Stainless Steel Quick-connect; Pitot Lines: 1/4" (3/8" optional) Stainless Steel Quick Connect; Electrical: 4 conductor circular connector; Thermocouples: 6 Type K inputs, standard size.

**Power:** 120V/60Hz standard; 240V/50Hz optional.

**Dimension:** 23" x 21" x 12" (58 x 53 x 30cm) Panel 19".

**Weight:** 40 lbs (18kg)



**Pacwill**  
Environmental

For more information, contact us : [sales@pacwill.ca](mailto:sales@pacwill.ca)  
Pacwill Environmental  
905.563.9097

Toll-Free (Canada): 1-866-840-0014

[www.pacwill.ca](http://www.pacwill.ca)

## XC-522 Source Sampling Console

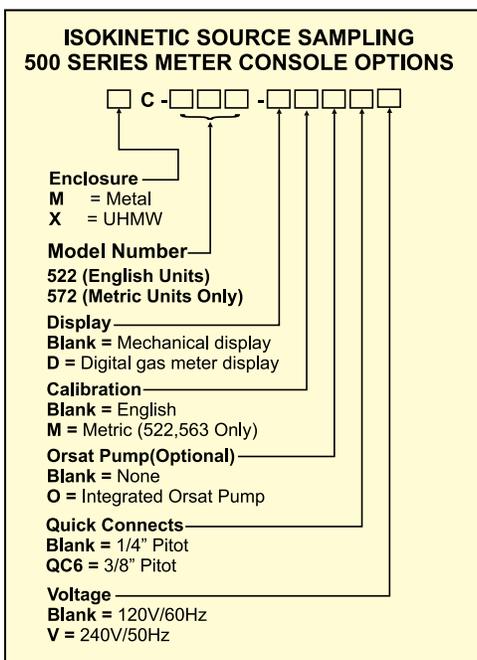
The Apex Instruments Model XC-522 is a full featured manual meter console. The Apex Isokinetic Source Sampling Console allows the operator to monitor gas velocities, temperatures, pressures and adjust sample flow rates to maintain isokinetic sampling conditions. Designed conveniently for manual data 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.

### 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



**XC-522 Source Sampler**



## XC-522 English Units (Cubic Feet, °F)

| Model      | Description  |
|------------|--|
| XC-522     | English Meter Console, 120 V/60 Hz   |
| XC-522-V   | English Meter Console, 240 V/50 Hz   |
| XC-522-O   | English Meter Console with optional Orsat Pump Assembly, 120 V/60 Hz         |
| XC-522-OV  | English Meter Console with optional Orsat Pump Assembly, 240 V/50 Hz         |
| XC-522-D   | English Digital Meter Console, 120 V/60 Hz                                   |
| XC-522-DO  | English Digital Meter Console with optional Orsat Pump Assembly, 120 V/60 Hz |
| XC-522-DOV | English Digital Meter Console with optional Orsat Pump Assembly, 240 V/50 Hz |

### Specifications

**Gas Meter:** Rockwell S110 remanufactured with direct read index, 0.1 cubic feet/revolution, res. 0.001 cubic feet direct read analog totalizer with 999.999 cubic feet capacity.

**Manometer:** Dual Inclined/Vertical Manometer for determining stack velocity and sample flow rate. Inclined Range 0-1.0" H<sub>2</sub>O with 0.01 divisions. Vertical Range 1-10" H<sub>2</sub>O with 0.1" divisions. Fabricated from solid acrylic, precision bored, accurate to +/- 1%. Convenient self-sealing chrome plated brass quick-connects with Viton® O-Rings. Supplied with plastic plugs for positive secondary seal.

**Temperature Display:** Panel mount digital thermometer, bright red LED display, 1/8 DIN plastic housing, Range -157° to 1999°F, with separate 7-channel selector switch.

**Temperature Controllers for Probe and Oven:** 1/32 DIN bright red LED display, indicating temperature controllers with separate 25 amp solid state relay, auto-tuning. Standard Type-K jack for input.

**Vacuum Gauge:** Dual Scale Vacuum Gauge, 0-30" Hg / 0-100kPa.

**Sample Pump Connections:** 3/8" Quick Connects, Stainless Steel, non-reversible.

**Umbilical Connections:** Sample Inlet: 1/2" Stainless Steel Quick-Connect; Pitot Lines: 1/4" (3/8" optional) stainless steel Quick Connect; Electrical: 4 conductor circular connector; Thermocouples: 6 Type K inputs, standard size.

**Power:** 120V/60Hz standard; 240V/50Hz optional

**Dimensions:** 23" x 21" x 12" (58 x 53 x 30cm) Panel 19"

**Weight:** 43 lbs (19.5kg)



**Pacwill**  
Environmental

For more information, contact us : [sales@pacwill.ca](mailto:sales@pacwill.ca)  
Pacwill Environmental  
905.563.9097

Toll-Free (Canada): 1-866-840-0014