

# XC-623

## Method 6 Source Sampling Console

The new **XC-623 Source Sampling Console** is our newest console for performing US EPA Method 6. Utilizing different configurations of sampling trains, the XC-623 console can also be used to perform various other EPA Methods.

### Applicable US EPA Methods:

- Method 4: Determination of Moisture Content in Stack Gases
- Method 6: Determination of Sulfur Dioxide Emissions From Stationary Sources
- Method 6A: Determination of Sulfur Dioxide, Moisture, and Carbon Dioxide From Fossil Fuel Combustion Sources
- Method 26: Determination of Hydrogen Halide and Halogen Emissions from Stationary Sources Non-Isokinetic
- Method 0030: Volatile Organic Sampling Train
- Method 0031: Sampling Method for Volatile Organic Compounds



**XC-623**

### Specifications:

#### Dry Gas Meter:

Model SK25EX, measurement principal-gas displacement, digitally encoded volume display, Qmax 41 LPM at 150 Pa., Qmin 0.26 LPM. Volume readout capacity 9999 cubic meter, resolution 0.1L. Cyclic volume 0.7L. Type K Thermocouple for exit temperature.

#### Sample Pump:

Brushless 12V DC BLDC motor, double-headed, free flow 8.0 LPM, maximum vacuum 23 " Hg

#### Display:

4x20 Character Back-lit Transflective Liquid Crystal Display with digital operation of Timer, DGM Volume, P<sub>m</sub> and 1 of 6 Thermocouple Readings, viewing area 74 mm x 45 mm, operating temperature -20 to 70°C

#### Display Control:

Four-button Long-Life Membrane Keypad for display operation. Display controls the timer and menu operations. Ability to zero Meter Pressure transducer and DGM volume, as well as reset the timer.

#### Flow Indicator:

Rotameter with option of flow rate range (A: 0.1=1.0L, B: 0.1-2.5L, C: 0.1-4.0L)

#### Temperature Measurement:

Display of 1 of 6 channels controlled by 6-way rotary switch.

#### Digital Pressure Transducer:

High Resolution Digital Sensor, Factory calibrated, and temperature compensated -20°C to 70°C. Proof pressure 49 kPa. Accuracy better than 0.25%, Fuji PXR3 Compact, 1/32 DIN self-tuning PID temperature controller with 3 button keypad, SSR Driver for 25A solid state relay. Type-K thermocouple jack for input. P<sub>m</sub> +/-5.0" H<sub>2</sub>O (+/-1245 Pa) Range Bi-Directional with 0.01" (1 Pa) Resolution.

#### Vacuum Measurement:

Bourdon tube, Dual Scale, 0 to -30" Hg, 0 to -100kPa.

#### Umbilical Connection:

Electrical multi-conductor circular connector. Instrumental grade stainless steel quick-connects

Sample Inlet: 1/2", Pitot Connections: 1/4".

Type K Thermocouples inputs: Aux, Stack, Probe, Oven, Exit.

#### Power:

Input Power: 120V/15A 60Hz, IEC C-14 Inlet.

Pump Power: 150W, 12VDC.

Display Power Supply: 15W, 12VDC.

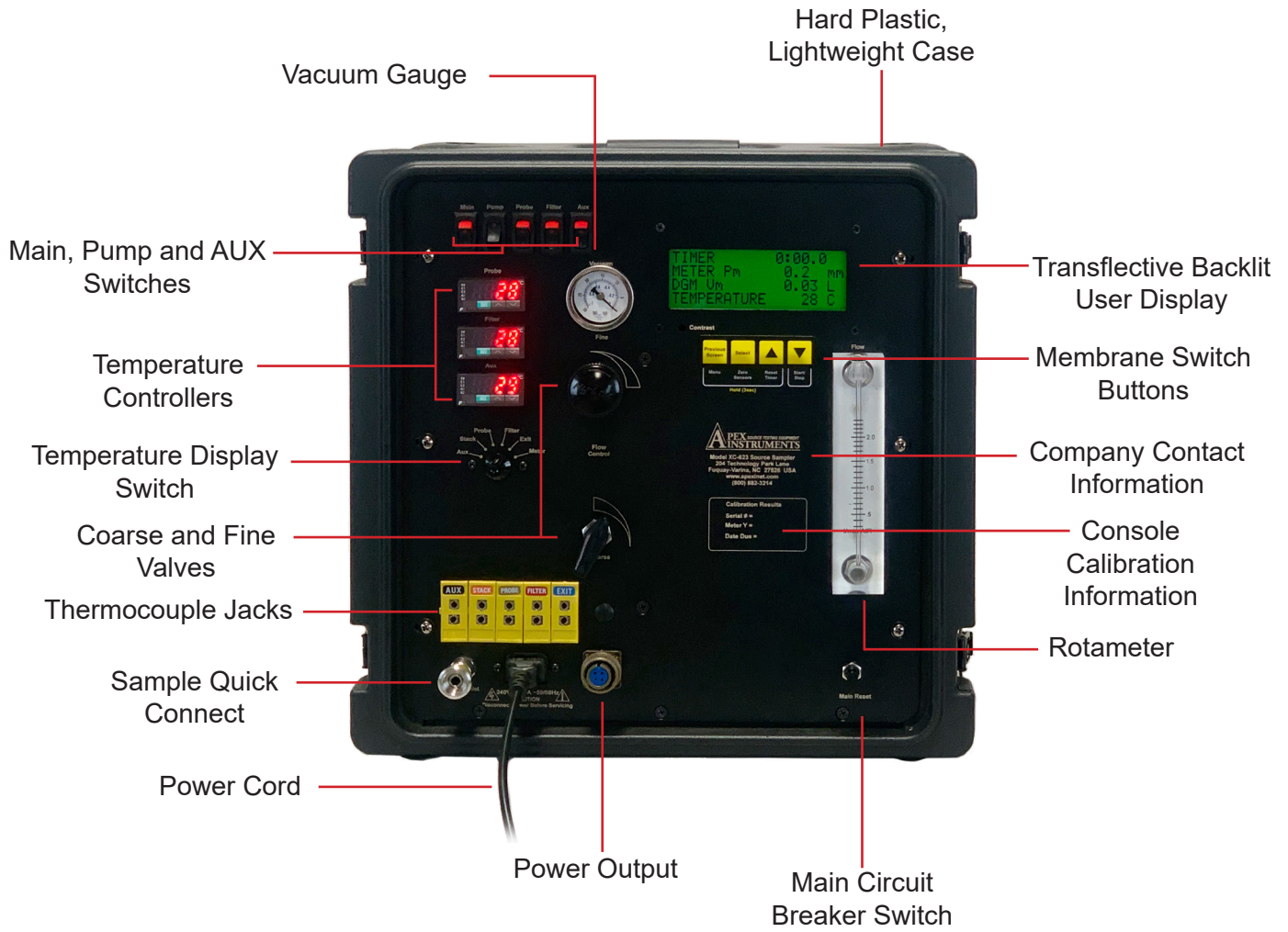
Optional Input Power: 240V/10A 50Hz, IEC C-14 Inlet.

#### Dimensions:

H17" x W17" x D12" (43 cm x 43 cm x 30.5 cm).

#### Weight:

29.6 lbs (13.4kg) base configuration.



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