

# XC-40

## Source Sampling Console

The Apex **XC-40 Source Sampler Console** is a durable, lightweight meter console ideal for Method 4 (Determination of the Moisture Content of Stack Gas). The meter console can be used with standard impingers and accessories to collect moisture for required calculations. This unit heats the stack probe and with its internal pump pulls 0.75 cfm as required to comply with Method 4.

**Method 4 Determination of the Moisture Content of Stack Gas Summary:** Stack gas is extracted at constant rate (less than 21lpm) for a minimum volume of 600 liters. Moisture is scrubbed from the sample stream and measured volumetrically or gravimetrically.

### Features

- Precision Dry Gas Meter, Mechanical or Digital Display
- Orifice Flow Meter with 50mm Minihelic®
- Internal Diaphragm Pump
- Digital Temperature Display
- All Stainless Steel Fittings and Control Valves
- Probe Temperature Controller
- Digital Elapsed Timer (hr:min:sec)
- Vacuum Gauge (Dual Scale)
- Easy Access for Service
- Lightweight case with Molded-In Handle

### Specifications:

**Gas Meter:** Model AP25, 0.7/rev., digital gas volume totalizer, with Quadrature Encoder, 8 digit LCD Display, 1cc resolution.

**Flow Indicator:** Mechanical Orifice w/Minihelic Pressure Gauge, range (0-2") or (0-50MM H<sub>2</sub>O).

**Temperature Display:** Type-K 3.5 Digit LED display (°C is standard for export). °C/°F selectable via plastic jumper behind front bezel, -105°C to 1372°C range. (-157°F to 1999°F).

**Probe Temperature Control:** Compact, 1/32 DIN autotuning indicating temperature controller with separate 25 amp solid state relay. 115 VAC outlet 5-15R, Type-K jack for input.

**Internal Sample Pump:** Single cylinder oil-less pump, long life diaphragms, 1/8-27 NPT Connections, Max. vacuum 23" hg, Min. full load speed 2800 rpm, nominal free flow 1.15cfm, 12V 3.8 amps.

**Vacuum Gauge:** Dual Scale, 0 to 30" Hg and 0 to 100kPa.

**Power:** 115V/60Hz; 240V/50Hz (optional).

**Sample Inlet:** 1/2" Stainless Steel Quick-Connect (alternate sizes available).

**Dimensions:** HxWxD: 21" x 9.5" x 14"  
(53 cm x 24 cm x 35.5 cm).

**Weight:** 22 lbs (9.98kg).



**Model XC-40**

Model	Description
XC-40	Standard Metering Console with Digital Gas Meter, Plus Digital 8 Digit LCD Totalizer. -.001 Cubic Feet. Res. (120V/60Hz).
XC-40-V	Standard Metering Console with Digital Gas Meter, Plus Digital 8 Digit LCD Totalizer. -.001 Cubic Feet. Res. (240V/50 Hz).
XC-40M	Metering Console with Digital Gas Meter, Orifice Flow Meter, Probe Temp. Controller, Digital LCD Totalizer, 8 Digits, 1cc Resolution. <b>Note:</b> For (230VAC / 50 Hz) add - V.
XC-40M-V	Metric Metering Console with Digital Gas Meter and a 8 Digit Digital LCD Totalizer. 1cc Res. (240V/50 Hz).

Call or Visit our Website for more information on our **Method 4 Condenser Assemblies and Accessories** for use with the **XC-40 Source Sampler Console**.

