

# XC-52

## Digital Isokinetic Source Sampling Console

*Lighter. Smaller. Easier.*

The new **XC-52 Digital Source Sampling Console** is the first Method 5 console being offered in our new compact light weight design.

The console uses an internal diaphragm pump, reducing the weight of the console and pump portion of the train to 37lbs, from 74 lbs (a 50% reduction).

Additionally, we're finally introducing our new Multi-Function sunlight-readable transfective display. With quick and easy auditing and calibrating, this digital console is the best choice for a portable and easy-to-use alternative to the traditional Method 5 Console.

Our **XCF-52 Model** comes with Full Flow 1/4" Quick Connects to ensure equipment compatibility for our international users.

*No more manometer fluid headaches! No more breaking your back carrying a big console and a heavy pump all the way up the stack!*



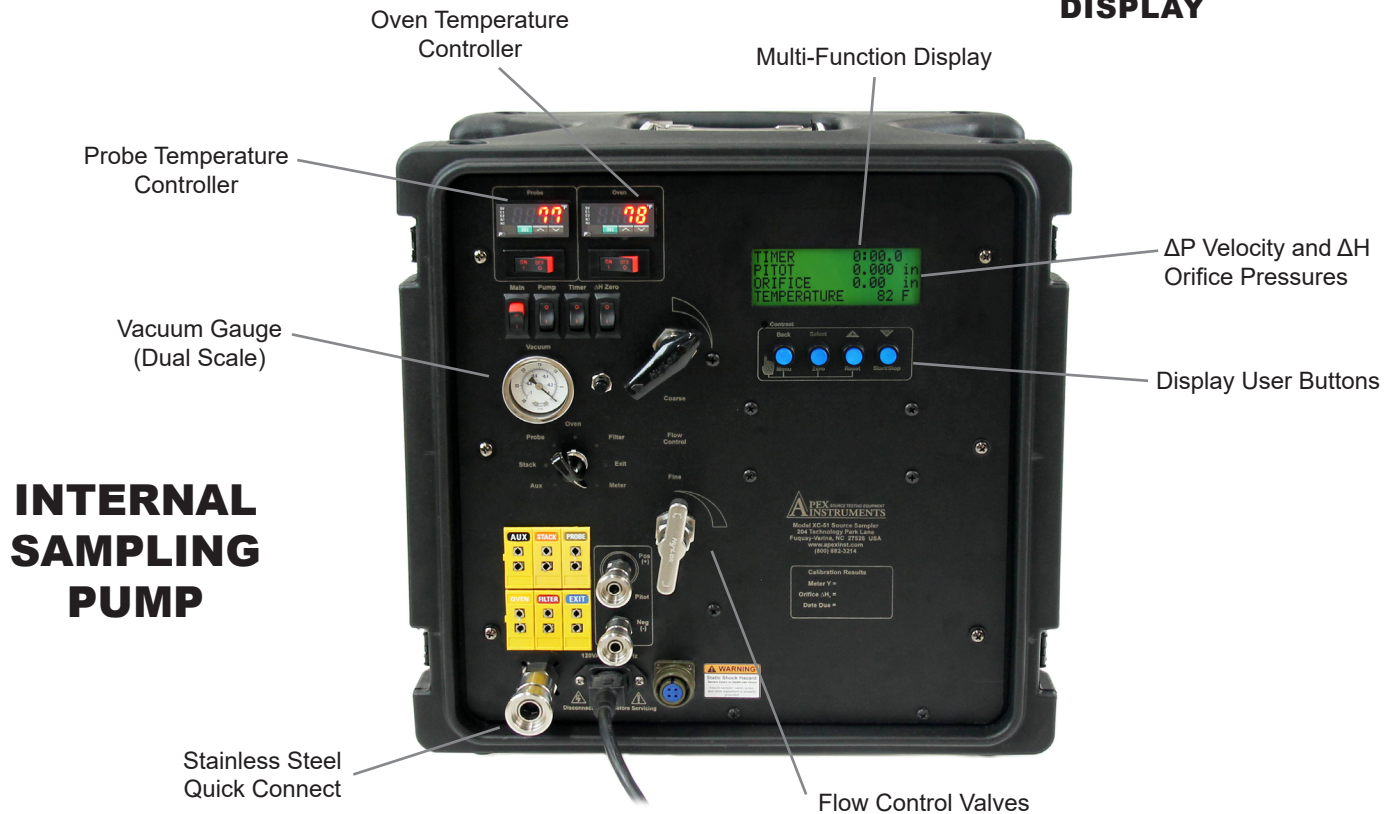
**Model XCF-52**

**COMING SOON!**

### Features and Benefits:

- Rugged lightweight case with 3 Heavy Duty Stainless Steel handles.
- Sunlight Readable Digital Display with Backlight for Indoor Use
- SK-25 Precision Dry Gas Meter with Digital Optical Encoder.
- Dual Scale Vacuum Gauge.
- Digital Temperature Display with 6 Type-K Inputs & DGM.
- All Stainless Steel Fittings and Control Valves (Brass fittings and valves available)
- Digital PID Temperature Controllers for Probe and Oven.
- Digital Elapsed Timer (hr:min:sec).
- Easy Access for Service.
- Bolt on modules to expand data capture, export, and interface with existing DAS systems.

**MULTI-FUNCTION  
SUNLIGHTREADABLE  
DISPLAY**



**Specifications:**

**Display:**

4x20 Character Back-lit Transflective Liquid Crystal Display with toggle between timer, total volume, delta P, delta H or 8 Channel TC Readout

**Gas Meter:**

Model SK25EX, with 100 CPR Quadrature Encoder, 0.7L/rev., 41 lpm max.

**Flow Indicator:**

Precision Machined Stainless Steel Orifice with Pressure Transducer, Range 0 - 5" H<sub>2</sub>O (1245 Pa) resolution of 0.01" (1 Pa).

**Temperature Measurement:**

8 channel individually isolated Type-K thermocouple meter, °C/°F selectable, -200°C to 1372°C range. (-328°F to 2502°F). [range unverified]

**Probe Temperature Control:** Compact, 1/32 DIN auto-tuning indicating temperature controller with separate 25 amp solid state relay. Type-K jack for input.

**Digital Pressure Transducers:**

ΔP +/- 1.0" (+/-249 PA) and +/- 10.0" (+/-2491 Pa) Range Bi-Directional with 0.001" (1 Pa) Resolution.

ΔH +/-5.0" (+/-1245 Pa) Range Bi-Directional with 0.01" (1 Pa) Resolution. (ΔP automatically selects appropriate transducer for current flow)

**Vacuum Gauge:**

Dual Scale, 0 to 30" Hg and 0 to 100kPa.

**Umbilical Connection (applies to Model XCF-52):**

Electrical: 4 conductor circular connector with grounded shell  
Sample Inlet: 1/4" Stainless Steel Full Flow Quick-Connect (alternate sizes available).  
Pitot Connections: 1/8" Stainless Steel Full Flow Quick-Connects  
Thermocouples: AUX, STACK, PROBE, OVEN, FILTER, EXIT

**Power:**

Pump Power: Supply 240V, 150W, 24V/6.3A, IEC C-14 Inlet.  
Display Power: Supply 15W, 12VDC

**Dimensions:**

H17" x W17" x D12" (57 cm x 33.5 cm x 61 cm).

**Weight:**

37 lbs (9.98kg).