

# XD-502

## Digital Isokinetic Source Sampling Console

*Lighter. Smaller. Easier.*

The new **XD-502 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 81 lbs (more than 50% reduction).

Additionally, we're including 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.

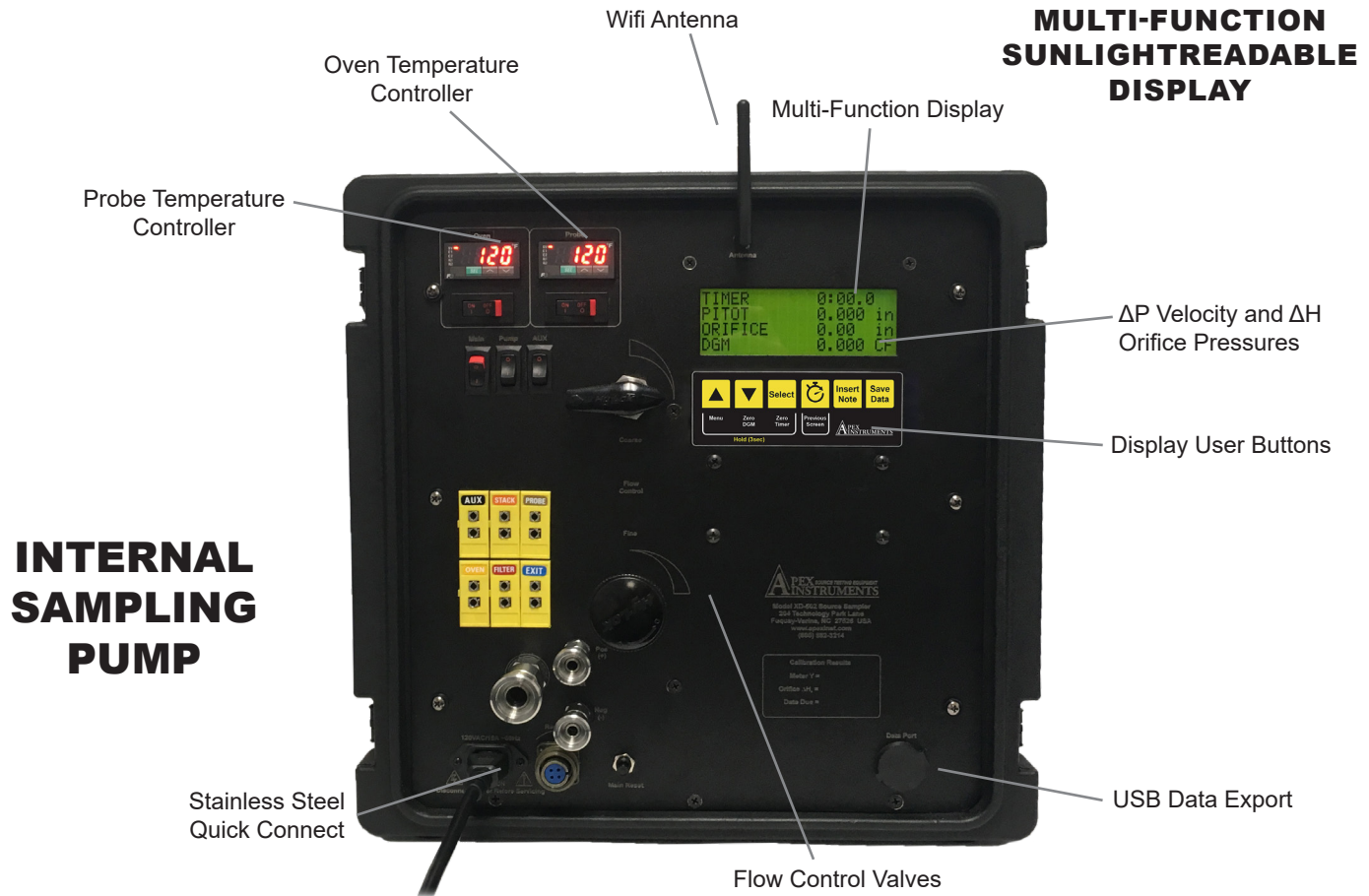
*No more manometer fluid headaches! No more breaking your back carrying a big console and a heavy pump all the way up the stack!*



**Model XD-502**

### 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.
- Digital Vacuum Gauge.
- Digital Temperature Display with 6 Type-K Inputs plus DGM and internal.
- 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 (Mounted in case)
- USB or Wifi Wireless Data Export - streaming or batch downloads.



**Specifications:**

**Display:** 4x20 Character Back-lit Transflective Liquid Crystal Display

**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" H2O (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).

**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)

**Data Export:** Usb or wireless, data streaming or batch downloads

**Vacuum Gauge:** Digital Scale, 0 to 30" Hg or 0 to 100kPa.

**Umbilical Connection:**  
Electrical: 4 conductor circular connector with grounded shell  
Sample Inlet: 1/2" Stainless Steel Instrumental Quick-Connect (alt. sizes available).  
Pitot Connections: 1/4" Stainless Steel Instrumental Quick-Connects  
Thermocouples: AUX, STACK, PROBE, OVEN, FILTER, EXIT

**Power:** Supply 120V, 150W, 24V/6.3A, IEC C-14 Inlet.

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

**Weight:** 37 lbs (9.98kg).

