



**SIERRA**  
INSTRUMENTS

# Quick Install Guide: **SmartTrak**



## SmartTrak 100 Series Meters and Controllers: 100, 101, and 140

Note: A copy of the Quick-Install Guide, the user reference and the manual are also included in the product information CD included in your shipment.

### **SAFETY**

1. Apply power only after reviewing wiring diagrams printed on the back of the unit and in the instruction manual under Chapter 2.
2. Apply gas flow only after checking/shielding connections for leaks.
3. **NEVER TEST FOR LEAKS & WITH LIQUID LEAK DETECTOR.** If liquid seeps into the electronics or the filter sensor compartment, the instrument may be damaged. Instead, use a pressure-release test (PQual M317) be used at all but 0 in the Wings and keep it off the body of the instrument).

### **INSTALLATION**

1. Consult the SmartTrak data sheet for the use of the instrument for ALL proper operating parameters. If the information on the data sheet does not match your process conditions, contact your representative or Sierra Instruments' customer service.
2. Install a 10-micron in-line filter upstream of your instrument. If the gas contains any moisture, consider appropriate dryer or desiccant. Particles larger than 10 micron and moisture may damage your instrument.
3. Mount according to data sheet orientation. Horizontal flow is preferable and in the factory default (SA-2100) tubular collector was performed specifically for vertical flow upward or downward, as indicated on the application data sheet. Orientation is listed on the data sheet and on the collection cartridge.
4. **DO NOT APPLY POWER TO THE OUTPUT LOOP.** This is NOT a loop-powered device.
5. Apply power only after reviewing wiring diagrams printed on the back of the unit and in the instruction manual under Chapter 2. Power is applied via the DC (24V) connector. The CAN-0 (RS485) connector is for the Sierra/Remco/3rd Module or provided IOP or cable. **DO NOT** use the CAN0/RS485 port for Ethernet – damage to your computer system or the instrument may occur.