



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 software 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 shutoff connections for leaks.
3. **NEVER TEST FOR LEAKS A WITH LIQUID LEAK DETECTOR.** If liquid seeps into the electronics or the filter sensor compartment, the instrument may be damaged. Instead, use a pressure-soluble test (Fisher M327) be used at all but 0 to the fittings 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 microns and moisture may damage your instrument.
3. Mount according to data sheet orientation. Horizontal flow is preferable and is the factory default (SA-2200) (industry collection 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 certificate.
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/Red Models or provided IOPs cable. **DO NOT** use the CAN0/RS485 port for Ethernet—damage to your computer system or the instrument may occur.