



# Quick Install Guide: SmartTrak®



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

Note: A copy of this *Quick Install Guide*, the user software and the manual are also included on the product information CD included in your shipment.

### SAFETY

1. Apply power only after reviewing wiring diagrams printed on the back of this card and in the instruction manual under Chapter 2.
2. Apply gas flow only after checking plumbing connections for leaks.
3. **NEVER TEST FOR LEAKS A WITH LIQUID LEAK DETECTOR.** If liquid seeps into the electronics or the hidden sensor compartment, the instrument may be damaged. Instead, use a pressure--decay test (if liquid **MUST** be used at all, limit it to the fittings and keep it off the body of the instrument).

### INSTALLATION

1. Consult the SmartTrak's data label (on the rear of the instrument) for ALL proper operating parameters. If the information on the data label 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, use an appropriatedryer or desiccant. Particles larger than 10 micron and moisture may damage your instrument.
3. Mount according to data label orientation. Horizontal flow is preferable and is the factory default **UNLESS** the factory calibration was performed specifically for vertical flow upward or downward, as listed on the application data sheet. Orientation is listed on the data label and on the calibration 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 this card and in the instruction manual under Chapter 2. Power is applied via the HD DB15 connector. The CAT---5 RJ45 connector is for the Sierra RemotePilot Module or provided CRN cable. **DO NOT use the CAT5 RJ45 port for Ethernet--damage to your computersystem or the instrument may occur.**