

# High Performance Digital Gas Mass Flow Meters & Controllers

## FEATURES

- Measure and control gas mass flow rates up to 1000 slpm
- Pressure up to 5000 psig (333 barg)
- Ideal for OEM, industry or research applications
- True linear performance provides high accuracy and great flexibility in multiple gases
- With Dial-A-Gas® Technology, you select from up to ten pre-programmed gases or substitute your own
- Unique Pilot Module (mounted or hand-held) lets you view and change critical control functions
- All control functions are also available from your PC or workstation via supplied SmartTrak 100 software
- 316 stainless steel construction
- Small footprint and great flexibility facilitates replacement of older MFM or MFC
- Factory calibration done with primary standards directly traceable to NIST
- Proprietary frictionless-hovering direct-acting control valve technology
- Single-sided 24 VDC input power reduces installation cost and complexity
- CE approved
- Choose from multiple analog or digital signals including: RS-232, RS-485, 4-20 mA, 0-5, 1-5, 0-10 VDC
- Digital communications protocols supported
  - Modbus
  - Profibus DP
  - Foundation Fieldbus

# SmartTrak 100



## DESCRIPTION

**S**martTrak® 100 Series features unprecedented performance, user-friendly features, and flexibility. The 100 Series gives users the world's most linear sensor, smoother valve performance, more robust electronics and even more control over a wide range of functions. The result is a series of mass flow meters and controllers that demonstrates premium flow instrumentation which is easy to use.

The 100 Series is designed so that the physics are correct. Excellent performance results from a patented, inherently linear Laminar Flow Element (LFE) design, advanced platinum sensor technology, and Sierra's proprietary frictionless-hovering control valve.

The 100 Series is available with an innovative and user-friendly Pilot Module, a front-mounted or hand-held control device that allows users to Dial-A-Gas, change flow rate, modify engineering units or re-configure the instrument. With the Pilot Module, the user can set zero, span, and full scale for each of the 10 different gases independently to accommodate unexpected application or system design changes.

For the ultimate in performance, flexibility and value, SmartTrak is the smart choice.



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