

Economical OEM Digital Mass Flow Controller

FEATURES

- Industry best off-the-shelf delivery
- Accuracy: $\pm 1.0\%$ full scale for common gases (N₂, Ar, O₂, CO, H₂, He, CH₄, H₂O)
- Repeatability: $\pm 0.25\%$ full scale
- All the performance features of a digital mass flow controller at an OEM price
- Control gas mass flow rates for 50 different gases
- Advanced FID, 10 position sensor technology and patented 271 provide excellent flow performance
- Available in both aluminum and 316 stainless steel flow bodies with stainless steel sensors
- Local display and digital output control with optional analog output/relay output
- RS-232 interface ready with V.I. or automation flow software and communication cables (optional)
- RS-485 (optional)
- Standard OEM screw ports for installation flexibility
- Field adjustable zero and span
- Optional direct acting control valve maintains leak-free
- 300 ms control valve time constant
- Leak-tight keypad facilitates replacement of order (MFC's)
- CE Approved

SmartTrak 50



DESCRIPTION

Sierra Instruments' SmartTrak™ 50 Series is a digital gas mass flow controller designed to meet the low cost budgeting requirements of OEMs while maintaining excellent quality and performance. Inspiring the need for accurate and reliable gas mass flow control at an OEM price, the 50 Series delivers by building on the same core sensor (FID) and/or solenoid-based flow control technology SmartTrak™ 100 Series, offered by industry best off-the-shelf product delivery and service. With personalized customer support, the 50 Series has a standard accuracy of $\pm 1.0\%$ of full scale. The flexible and powerful direct acting control valve sets it apart from the competition by delivering leak-free while offering a 300 ms response time to support changes at $\pm 0.25\%$ repeatability.

It is our philosophy that our sensor technology must be of the highest quality and performance to make an excellent MFC. In addition to the many tested parts of 316L and 316Ti flow sensors, Sierra uses its most advanced FID, stainless steel solenoid-based solenoid control technology, ensuring the very best mass flow control for nearly any flow gas. As a result, the 50 Series shares the same advanced sensor as the flagship SmartTrak™ 100 Series, while incorporating a highly control valve and sensor flow stream design also inspired by the original SmartTrak. A more efficient manufacturing process, a streamlined design, and our partnership with a very strong supplier have combined to make the 50 Series available.

Experience our passion for flow with the 50 Series in your next application.



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