

Economical OEM Digital Mass Flow Controller (up to 200 sgm)

FEATURES

- All the performance features of a digital mass flow controller at an OEM price
- Control gas mass flow rates to 200 sgm (200)
- Stability and reliability optimized for long term process control
- Ideal for control of under-gases with low flow starting and purging operations
- Wide ability to handle purge operations for Physical Vapor Deposition (PVD) and other semiconductor process applications
- Accuracy of $\pm 1.25\%$ full scale for common gases (N₂, Ar, Si, O₂, H₂, He, Ne, Xe, Kr)
- Repeatability of $\pm 0.25\%$ full scale
- Advanced PMS 32 platinum sensor technology and patented ZFS provide excellent long performance
- Spent gas or 100 to flow back to other systems
- Local display and digital output control with optional analog interconnect options
- 61-202 interface ready with P1 or application base software and communication cables available
- Field adjustable zero and span
- 61-402 addressable module allowing either simple or controller back
- Purged flow starting control valve remains back by
- CE Approved



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SmartTrak 50 Medium



KEY BENEFITS

Optimized to deliver the stability, reliability and simplicity of operation required in long term process control applications, Sierra Instruments' 50 Series Medium Flow Controller offers high accuracy and reliable gas mass flow control at an economical price. The robust 1000-hour-life ZFS also offers exceptional performance at a price point that meets low budgeting constraints.

SmartTrak 50 medium flow controller increases the maximum flow range of the award-winning SmartTrak 50 Series flow (50 sgm) to 200 sgm. This enables it particularly for controlling the under-gases used in under starting and purging operations at the range control of PVD and other semiconductor operations. It also results in the mass flow control of common gases in general applications.

The 50 Series builds on the same core sensors, PMS and valve technology found in Sierra's flagship SmartTrak 100 Series, all backed by Sierra's traditional personalized customer support, reliability and purged flow starting. Proven flow starting control valve sets it apart from the competition by minimizing leak by, while offering a $\pm 1.25\%$ repeatability.

It's Sierra's technology that only the highest performing core sensor technology can produce an excellent ZFS. An essential for many critical gases of PVD and MVD. The sensors, then use an advanced ZFS algorithm and platinum sensor, applies sensor-to-sensor, to deliver the highest stability, repeatability and wide accuracy.

The SmartTrak 50 Series offers flexibility and simplicity of operation. Both analog and digital inputs and outputs are available, enabling SmartTrak to work with other existing systems or fit current multi-flow digital needs. Field adjustment of zero and span enables small adjustments in calibration to align with under-gas conditions.

Experience the power of flow with the SmartTrak 50 Series Medium Flow Controller and enjoy the peace of mind gained from exceptional stability, reliability and simplicity in your next application.