



SmartTrak 50 Series Mass Flow Controller

By Sierra Instruments Inc
www.sierrainstruments.com

The new **Sierra Smart-Trak 50 Series** features the most advanced 316L stainless steel platinum-wound capillary sensor technology, ensuring the very best mass flow control for nearly any clean gas. The sensor's small diameter minimizes environmental effects.

Sierra's unique patented LFE is truly linear, allowing for K factors that really work. This linearity also allows for calibration in the field. Unlike other OEM flowmeters and controllers, the 50 Series allows for zero and span/calibration in the field of the meter, so OEMs do not have to remove the 50 Series to send in a meter for calibration.

The 50 Series features a direct-acting control valve, which minimizes leaks while offering a 300-msec response time to setpoint changes at +/-0.25 percent repeatability.

Another difference between the 50 Series and other flow controllers is its modular design that allows for upgrades and changes in communication. To change the communication or add features such as a display, just add a new piggyback PCA.



what the voters said is innovative:

- This product has good price and good accuracy.
- Compact, easy-to-use, and competitively priced. Highest possible quality today. The K-factor really works – that's completely unique for these kinds of products today.
- They have been able to keep the outstanding accuracy and reliability of the predecessor, Smart-Trak2, but with an OEM-aimed price. In addition, its surprising short-delivery times makes Sierra an ideal partner for an OEM like us.
- Because of its modular design that allows for upgrades and changes in communication.
- True linear flow, integral direct-acting control valve, field calibration, and economic price.

➔ containment

Flowserve ISC2 Series Cartridge Mechanical Seal

Flowserve Corp, Flow Solutions Group
www.flowserve.com

The **Flowserve ISC2 Series** is a family of standard cartridge mechanical seals designed to meet international standards and fit hundreds of pump models from global manufacturers across a variety of industries and applications.

Flowserve ISC2 seals feature patent-pending thermal management technology that tolerates short-term dry-run events without overheating, increasing reliability and preventing a common cause of leakage. Dual seals feature enhanced barrier fluid circulation for the highest flowrate and coolest running when compared to other standard cartridge seals in the industry. Single seals include a sizable throttle bushing to help protect against leaks.

ISC2 seals meet all major international standards, and ISC2-682 seals help users align their standardization programs with the sealing industry's most comprehensive best-practice standard: API 682/ISO 21049.

ISC2 seals are available in a wide range of materials for the best corrosion resistance against aggressive media. Seal chamber specifications from around the world, including ASME B-73, EN 12 756, JIS and ISO 3069 fall within the design scope of ISC2 seals.



what the voters said is innovative:

- The thermal management features of this cartridge mechanical seal are particularly innovative.
- The product has operated for more than one year in a very harsh environment without leakage.
- The ability to dissipate the heat away from the seal faces should help increase overall seal life.