

**RHEOTHERM®**  
FLOW INSTRUMENTS

**FM Options for Hazardous (Classified) Locations**

Intek offers flow meters and flow switches in a variety of configurations to meet industry needs. *Rheotherm* instruments are commonly installed in hazardous (classified) areas using techniques such as Factory Mutual (FM) approved integrated designs, FM approved intrinsically safe barriers (ISB) to isolate the flow sensors, NEMA 7 enclosures, and purged enclosures.

The Model 210 flow meter is available with an FM approved explosion-proof design incorporating integrated electronics for both insertion probe and inline sensors\* (shown at top right).

*Rheotherm* flow meters and flow switches can be installed in hazardous areas using Intek's proprietary, FM approved intrinsically safe barrier\*\*. With the sensor installed in the hazardous location, the electronics and the ISB can be located either in a non-hazardous remote area, or within the hazardous area if installed in a NEMA 7 explosion-proof housing (shown at bottom right). A purged enclosure may also be used in some areas.

\* Class I, Division 1, Groups B, C, and D  
Class II, Division 1, Groups E, F, and G  
Class III, Division 1

\*\* Same as above, except Group A is included.

For assistance with any flow application, contact an application engineer at INTEK, the leader in precision thermal flow metering. Call **888-LOW FLOW** (569-3569).



Model 210 with FM approved integrated electronics and sensor package available with insertion probe or inline sensor



Sensors with remote electronics utilize Intek's Intrinsically Safe Barrier in either a remote NEMA 4 or explosion-proof NEMA 7 enclosure



**INTEK, INC.**  
751 Intek Way  
Westerville, OH 43082-9057  
Phone: 614-895-0301  
Fax: 614-895-0319  
sales@intekflow.com  
www.intekflow.com