

RHEOTHERM[®] **FLOW INSTRUMENTS**

FM Options for Hazardous (Classified) Locations

Bionetics offers a line of flow meters and flow switches in a variety of configurations suitable for the most demanding industry needs. Capable of measuring both liquids and gases, *Rheotherm* instruments are commonly installed in hazardous (classified) areas.

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

Rheotherm flow meters and flow switches can also be installed using Bionetics' proprietary, agency-approved intrinsically safe barrier (ISB) to satisfy hazardous environment requirements. Both inline and insertion probe sensors can be installed in the hazardous location due to their explosion-proof design. For installation flexibility, the remote electronics and the ISB are housed in a NEMA 4 enclosure which can be located in a non-hazardous area up to 200 feet away from the sensor. If the electronics are to be located within the hazardous area, an optional NEMA 7 explosion-proof housing can be used (both options are shown at bottom right). A purged enclosure may also be used for the electronics if required.

FM Classifications

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



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 remote NEMA 4 or explosion-proof NEMA 7 enclosure

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