(Ultra) Low-Flow Coriolis Meter/Controller with integrated laboratory solutions

Bronkhorst UK Ltd is proud to announce the availability of their new mini CORI-FLOW™ Series ML120 Coriolis Mass Flow Meters and Controllers for (ultra) low flow ranges. The instruments are designed to provide the user with highly stable, accurate and repeatable mass flow in advanced research, laboratory or production processes. ML120 offers flow ranges from 50 mg/h to 200 g/h, measured with an accuracy as high as 0.2 percent of reading. Utilising a uniquely shaped, single loop sensor tube, forming part of an oscillating system, providing superior flow measurement performance. When a fluid flows through the tube, Coriolis forces cause a variable phase shift, which are detected by sensors and fed into the integrally mounted pc-board. The resulting output signal is strictly proportional to the real mass flow rate. Coriolis mass flow measurement is fast, accurate, easy to install and inherently bi-directional. The mini CORI-FLOW™ features density and temperature of the fluid as secondary outputs. The compact Mass Flow Controller is equipped with a microprocessor based pc-board with signal and fieldbus conversion and an integrated digital controller for accurate mass flow control by means of the integrated piezoelectric control valve. The flow controller has a very small internal volume, making the Coriolis MFC an ideal device for fast, repetitive dosing and filling processes for drugs research, additives and solvents etc in addition to specialized applications such as Super-critical Fluid Chromatography and LED Production.

mini CORI-FLOW™ Series Coriolis Mass Flow Meters / Controllers are offered with both analog and digital communication, RS232 and various fieldbus options. Furthermore, the smallest Coriolis instrument in the world is ideally suited for incorporation into Bronkhorst table-top or rack-mounted complete gas and liquid solutions including direct control of pumps, shut off valves and other actuation devices for single-point responsibility for laboratory dispensing systems.

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