

PRESS RELEASE

Ex-Proof Coriolis for Low Flow Applications

Bronkhorst High-Tech (The Netherlands) released a new version of its mini CORI-FLOW Ex d series Coriolis mass flow meters for low flow rates, suitable for use in hazardous areas. Compact flow meters, operating via the Coriolis principle, are built into a rugged, flameproof (Ex d) enclosure with separated compartment for the electronics in type of protection increased safety (Ex e), having an ATEX as well as an IECEx approval. Besides the standard RS232 digital communication it is now possible to equip the instrument with a fieldbus interface (Modbus, PROFIBUS DP, DeviceNet, FLOW-BUS) and, on request, an intrinsically safe (Ex i) 4-20 mA output. Furthermore the instruments offer additional functions such as alarms, totaliser (to measure fluid consumption) and batch dosing.

The flow meters, suitable for both liquid and gas flow applications, cover flow rates from 0,1 g/h to 30 kg/h and can be used in systems with pipeline pressures up to 138 bar(a). The unique design of the miniature Coriolis sensor features superior response time and high accuracy, irrespective of changing operating conditions with regard to pressure, temperature, density, conductivity and viscosity. The Coriolis flow meters offer integrated PID control for close-coupled control valves or pumps, thus constituting compact control loops. The mass flow meters feature fluid temperature and density as secondary digital outputs.

The instruments find application in process control systems in (petro) chemical plants and in oil & gas installations e.g. for the odourisation of natural gas, scale/corrosion inhibitor dosage or additive dosing in general.



*mini CORI-FLOW™ Ex d
Mass Flow Meter*

LOW FLOW FLUIDICS HANDLING TECHNOLOGY