

## Coriolis mass flow meters CMM

I Flexibility and precision in flow rate, density and temperature



The Coriolis mass flow measurement, also known as the direct or dynamic method, provides a signal that is proportional to the mass flow and almost independent of substance properties such as conductivity, pressure, viscosity or temperature. The Coriolis mass flow meter CMM is perfect for demanding applications. It continuously measures the mass, density and concentration of different substances. The highly accurate density measurement allows strict quality control of the products or automatic mixing of different product parts (online blending).

The signals from the CMM are recorded and processed with the MSP 2 signal processing unit.

- > The all-rounder for all applications
- > Easy installation and use
- > Extensive and application-oriented evaluation
- > Measurement of conductive and non-conductive media
- > ATEX design (Zener barrier)

### Measuring ranges

Mass measurement	3.0 ... 300 000 kg/h
Density measurement	400 ... 1 300 kg/m <sup>3</sup>
Temperature measurement	-40 ... 200 °C

### Applications

Ideal for use as a mass or volumetric flow meter. Fluids with a wide range of properties can be measured, such as solvents with low conductivity, demineralised water, oils, emulsions, colours and many more.

- Measurement and dosing of aggressive fluids
- Measurement and control of concentration in quality control and in the mixing process
- Measurement of the mass transfer of liquefied gases requiring official calibration (LPG, LNG)
- Measurement of components in mixtures based on mass, density and temperature measurement (normalised volume of pure ethyl alcohol, API standard volume, oil-water content)