

## OPTIMASS CORIOLIS MASS FLOWMETERS

**THE FUNCTION OF MASS FLOWMETERS IS BASED ON THE CORIOLIS PRINCIPLE. THEY ALLOW FOR A DIRECT MEASUREMENT OF MASS FLOW, DENSITY AND TEMPERATURE OF LIQUIDS AND GASES AS WELL AS CALCULATION OF VOLUME FLOW AND MASS OR VOLUME CONCENTRATION WITH A SINGLE DEVICE**

**For all process and custody transfer (CT) applications**

- Mass, volume flow, density and concentration measurement of liquids and gases
- Secure wireless access via Bluetooth®, even in safety-related applications
- Maintains operation even with entrained gas of up to 100% (EGM™)



## TYPICAL APPLICATIONS INCLUDE:

- **CHEMICAL:** MEASUREMENT OF CONCENTRATION OR DENSITY, BULK LOADING, BATCHING TO REACTORS, HYDROCARBON CRACKING, AGGRESSIVE, ABRASIVE OR VISCOUS MEDIA OR MEDIA OF UNKNOWN COMPOSITION
- **FOOD & BEVERAGE:** FILLING MACHINE APPLICATIONS, MEASUREMENT OF DEGREES BRIX, FLOW, DENSITY, SPECIFIC GRAVITY, ADDITIVE COMPONENTS DOSING
- **PHARMACEUTICAL:** BATCHING, DOSING AND FILLING, SOLVENT EXTRACTION, ULTRA-PURE WATER MEASUREMENT
- **WATER AND WASTE-WATER:** FLOCCULENT DOSING, SLUDGE FLOW AND DENSITY MEASUREMENT
- **PULP & PAPER:** PAPER STOCK, PULP, ADDITIVES, BLEACHES, COLOURANTS
- **OIL & GAS:** MEASURING SKIDS, BYPASS DENSITY MEASUREMENT, CNG/LPG DISPENSERS, LEAK DETECTION, CUSTODY TRANSFER APPLICATIONS SUCH AS TANKER LOADER, BUNKERING AND PIPELINE TRANSFER.

**OPTIMASS 1000** – FOR UNIVERSAL APPLICATIONS AND PROCESS CONTROL

**OPTIMASS 2000** – DUAL OR FOUR STRAIGHT TUBE DESIGN FOR BULK FLOWS FOR CUSTODY TRANSFER UP TO DN400/16”

**OPTIMASS 3000** – FOR LOW FLOW AND DOSING APPLICATIONS

**OPTIMASS 6000** – THE STANDARD HIGH-PERFORMANCE METER FOR THE PROCESS INDUSTRY, UP TO DN300/12”

**OPTIMASS 7000** - FOR ADVANCED APPLICATIONS, WITH SINGLE STRAIGHT MEASURING TUBE