

Monitoring

Mass Flow Meters

CHRIS-MARINE® MASS FLOW METERS

For fuel consumption
measurement



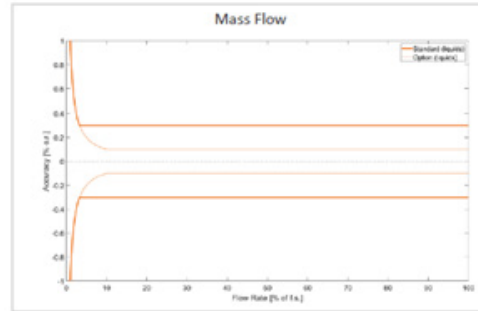
Product features

- Optimized for measurement of fuel consumption on ships
- Prepared for a perfect connection to Chris-Marine SPEAT
- No moving parts: maintenance free, no need for recalibration
- Easy to install: no straight run of pipe required and multiple mounting options available
- Extremely robust design, with high resistance to external influences
- Customized installation length and process connections available

MASS FLOW METERS

High Accuracy

High accuracy over the whole flow range



Electronics are available with display for direct-or remote-, wall or panel mounting or even without individual display for direct interface to Chris-Marine SPEAT Performance Monitoring System.

Remote panel mount



Remote wall mount



Chris-Marine provides Coriolis flow meters which are a true all in one instrument, that offers direct measurement of mass flow, density and temperature as well as highly accurate calculation of volumetric flow. The unique design and cutting-edge manufacturing procedures ensure an instrument with the highest resistance to external influences. Mechanically balanced tubes and superior mechanical design result in best-in-class density measurement.

Being prepared and intended for use in marine fuel performance monitoring, they also offer exceptional ease of use and fast setup time, all preprogrammed with the necessary parameters.

TCM Sensor - Technical data	
• Basic Accuracy (Mass Flow)	±0.3 % of flow rate (option: up to 0.1 % of flow rate)
• Density Accuracy	±1.0 kg/m ³ [±0.001 g/cm ³]
• Process Connections	female thread 1/2", adaptors for flanges up to TCM3100 flanges EN1092, ANSI B16.5, DIN2512, from TCM5500 up to TCM065K kW
• Pressure drop at max. Flow	For detail information please contact us
• Process temperature (non Ex)	Max 100 °C (standard), upto 150 °C (option)
• Electr. Connections Remote	Screw type terminals
• Ingress Protection	IP65 (IP66/IP67 on request)

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