

OPTISONIC 8300

Brand: Krohne



Short Description

Ultrasonic flowmeter for cryogenic or high-temperature gases and superheated steam
2-path meter with optional mass flow and enthalpy calculation Engineered for extreme temperatures: from measurement of BOG and other gases down to -200°C / -328°F to steam and boiler monitoring up to $+593^{\circ}\text{C}$ / $+1100^{\circ}\text{F}$ DN100...1000 / 4...40"; max. PN250 / ASME C1 2500 Large turndown ratio (60:1)

Description

Bi-directional flow measurement over a wide dynamic range Integrated flow computer option: Mass flow and enthalpy calculation according to IAPWS-IF97 Current inputs for external pressure and temperature sensors Suitable for energy balancing High accuracy: DN150) Extensive online diagnostics and functions for proper meter operation and verification Can be certified for custody transfer measurements (only in certain countries applicable) Full mechanically safe design for cryogenic applications Full bore design: No moving parts, no wear, no pressure loss No periodical maintenance or recalibration needed Ex d certified stainless steel (316 L) connection box ATEX, IECEx, QPS and NEPSI approvals Hazardous area process temperatures up to $+593^{\circ}\text{C}$ / $+1100^{\circ}\text{F}$ Zone 0 approval for measurement of explosive gas mixtures