YOKOGAWA 🔶

BU01U10A02-01EN

General Specifications

Model Type	Integral or Remote
Maximum Measurement	76t/h
Mass flow for liquids	\pm 0.1% of reading
Process Conditions	-70°C ~ +140°C (-94 − 284 °F)

Communication Type

	HART	
Protocols	Modbus	
	PROFIBUS-PA	

Materials and Process Connections

Material of wetted parts	316L/1.4404
Process Connection Type	Threaded or Clamp

Approvals / Certifications

Certificates	3-A or EHEDG
Functional Safety	SIL 2 (SIL3)
Hazardous area approvals	IECEx, ATEX, FM (USA/Canada), NEPSI, INMETRO, Ref to GS for additional approvals

Advantages and Benefits

- Inline measurement of several process variables, such as mass, density and temperature.
- Since the meter provides advanced functions such as batching and viscosity, an external flow computer is not
- Total Health Check (diagnostic function):
- Self-monitoring of the entire flow meter, including accuracy
- Vibration-resistant due to counterbalanced double-tube measurement system
- Self-draining installation



Yokogawa achieves operational excellence by providing products, services, and solutions based on the OpreX comprehensive brand that cover everything from business management to opererations.

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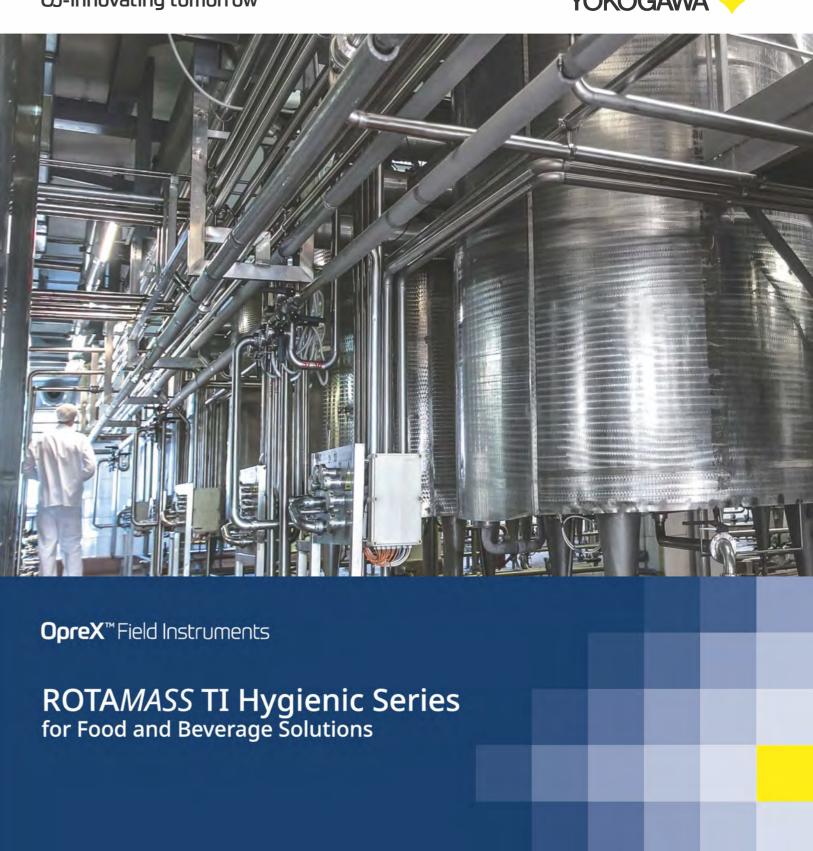
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Food & Beverage Solutions for Hygenic Processes 3-A, EHEDG, and NTEP Certified ROTAMASS Hygienic

Batch processing is difficult to perform?

Simple batch setup and operation

Typically, a counter or controller is required to operate a batch process; however, the Rotamass TI Hygienic model is equipped to perform one or two-stage batch operations. It can also detect and compensate valve closing time and "leakage."

Need measurements additional to the flow value?

Multiple measurement values all-in-one

The Rotamass TI Hygienic model not only measures the mass flow rate, temperature, and density, but calculates the volumetric flow, viscosity and concentration; such as starch or °Bx.



The Rotamass TI Hygienic model is not affected by flow velocity distribution due to its unique measurement principle. Therefore, upstream/downstream pipe runs are not required.

readings due to gas bubbles?

possible with unique technology

The Rotamass TI Hygienic model enables stable measurement of raw milk, or other fluids with a large amount of bubbles, by properly controlling the measurement sensitivity and providing a reliable reading.



The Rotamass TI Hygienic model has a surface roughness of 0.8µm or less; thus conforming to hygienic requirements of 3-A and EHEDG.



Excellent maintainability and Daily maintenance simplified

Integrated Tube Health Check function, monitors and detects signs of clogging, reducing the frequency of unexpected line stoppages.



Self-draining and hygienic design

U-shaped tube design and self-draining construction reduces potential stagnation.



Best in Class - Zero Stability

Reduced accuracy

The Rotamass TI Hygienic model has excellent flat spec-accuracy.









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