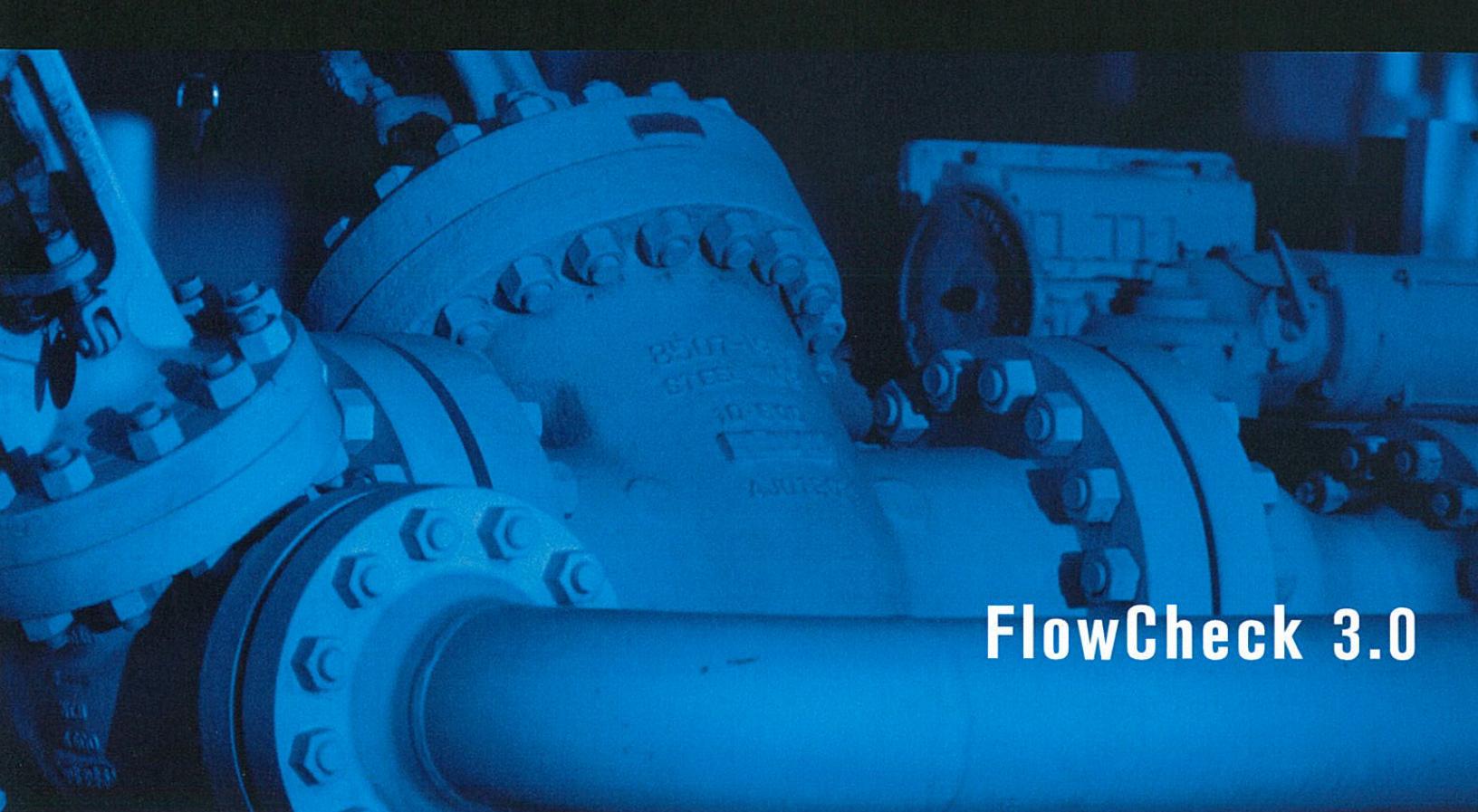




HIGH ACCURACY
measurement instruments

PRODUCT DATASHEET

www.high-accuracy.com



FlowCheck 3.0

FlowCheck software is a proven flow calculator for verifying flow measurement systems. FlowCheck uses industry standard equations to calculate the flow of hydrocarbon gases or liquids through all common meter types in oil and gas systems. FlowCheck is a program built by measurement professionals for measurement professionals.

The Challenge

Custody transfer flow measurement is critical to our customers' bottom line. Disputed measurement claims are costly and time consuming. New regulations, new technologies, and managing multiple units of measure create an increasingly complex process. Standard measurement practices and documentation protects our customers' operations.

The Solution

Emerson Process Solutions' Hydrocarbon and Energy Industry Center developed FlowCheck to meet the demand for a tool that could verify electronic flow measurement (EFM) configuration across an entire system. FlowCheck's interface is optimized for the field environment; selecting standards is as simple as clicking a button.



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Benefits

FlowCheck 3.0 aids measurement professionals in:

- commissioning and configuring new meter stations
- calibrating and troubleshooting flow measurement equipment
- resolving disputed measurements
- estimating fuel gas consumption for engine line heaters and treaters
- estimating line pack
- predicting flue gas emissions and air/fuel ratios
- performing unit conversions

FlowCheck 3.0 benefits your operations by:

- saving time—FlowCheck provides fast results; work is saved to build a collection of meter files.
- preventing costly mistakes—Verification with FlowCheck saves the potential cost of disputed measurement.
- improving knowledge—Testing different settings and their effect on measurement increases understanding; the manual provides a wealth of measurement information.
- improving traceability—FlowCheck provides a clear link to industry standards; program accuracy has been validated against official documents and a test suite is available at www.FlowCheck.com.



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- standardizing maintenance—FlowCheck helps to ensure EFM equipment is configured correctly throughout the system; troubleshooting potential equipment errors is simple with FlowCheck.

Features

FlowCheck 3.0 features:

- superior usability
- meter calculations
- gas properties
- liquid properties
- wet gas support
- fuel gas estimates
- combustion and flue gas calculations
- speed of sound and discharge coefficients for orifice and additional meter types

Visit www.FlowCheck.com for a complete list of supported standard equations, gas and liquid properties, and meter types.

System Requirements

FlowCheck 3.0 requires Windows 95 or later. For a complete list of system requirements, please visit www.FlowCheck.com.

Satisfied Customers

A partial list of satisfied FlowCheck clients includes:

- ConocoPhillips
- Duke Energy Canada
- Measurement Canada
- Nicor
- Pacific Gas and Electric Company (PG&E)
- Pemex
- Petro-Canada





HIGH ACCURACY

measurement instruments

Our offering:

	Pressure Measurement		Level Measurement
	Temperature Measurement		Flow Measurement
	Marine Measurement & Analytical		Gas Analysis
	Liquid Analysis		Flame and Gas Detection
	Tank Gauging		Wireless Infrastructure
	Acoustic & Discrete		

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