



VERIS
Verabar®

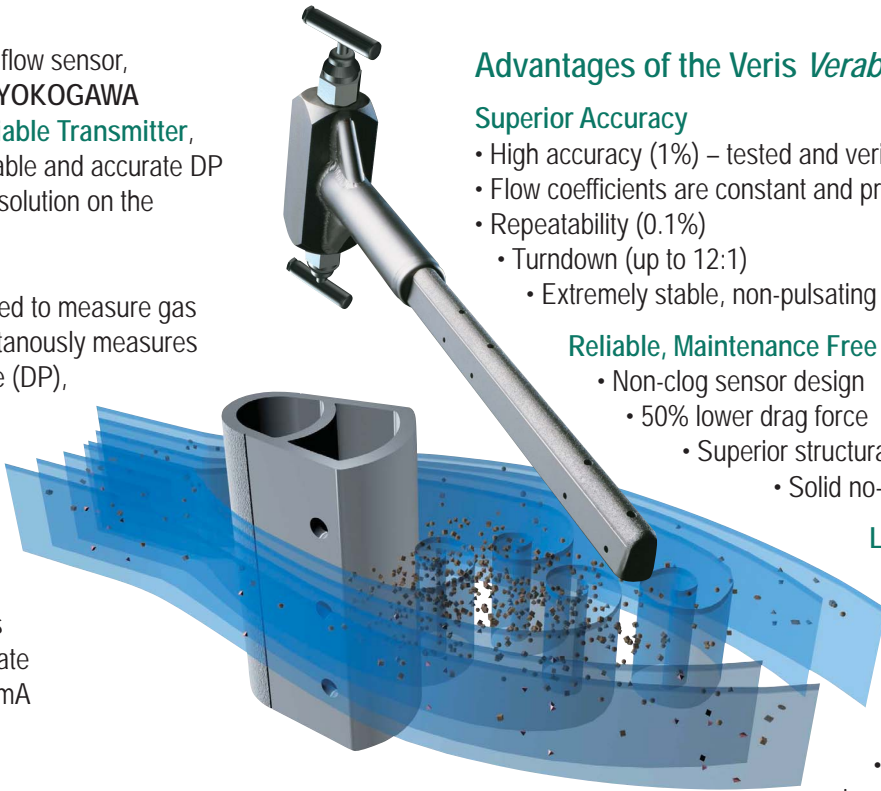
DP harp **EJX**™

The Complete DP Flow Measurement Solution...

Verabar® Flow Sensors and EJX910A Multivariable Transmitters

The Veris *Verabar* flow sensor, combined with the YOKOGAWA EJX910A Multivariable Transmitter, offers the most reliable and accurate DP flow measurement solution on the market.

The EJX910A is used to measure gas and steam. It simultaneously measures differential pressure (DP), static pressure (P) and temperature (T). Based on these measurements, the EJX910A calculates a compensated mass or volumetric flow rate and outputs a 4-20mA signal.



Advantages of the Veris *Verabar* Flow Sensor

Superior Accuracy

- High accuracy (1%) – tested and verified
- Flow coefficients are constant and predictable
- Repeatability (0.1%)
- Turndown (up to 12:1)
- Extremely stable, non-pulsating signal

Reliable, Maintenance Free

- Non-clog sensor design
- 50% lower drag force
- Superior structural strength
- Solid no-leak construction

Low Permanent Pressure Loss

- Lowers energy costs

Lowest Installation Costs

- Requires a single pipe penetration



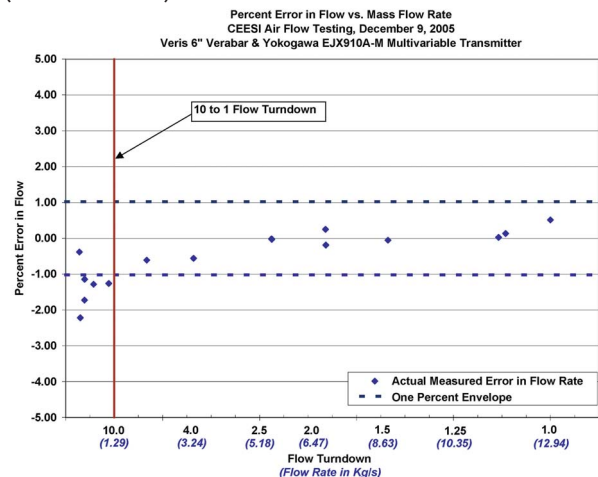
Developed from aerospace technology, the *Verabar* averaging pitot flow sensor provides unsurpassed accuracy and reliability.

With its solid one-piece construction and bullet shape, the *Verabar* provides high accuracy and clog-free performance.

The unique shape reduces drag and flow-induced vibration. The low-pressure ports located on the side eliminate clogging and improve signal stability.

Actual Flow Test Summary

The *Verabar* was tested with the YOKOGAWA EJX910A Multivariable Transmitter at an independent laboratory (see test below).



Bulletin 22A00R06-02E

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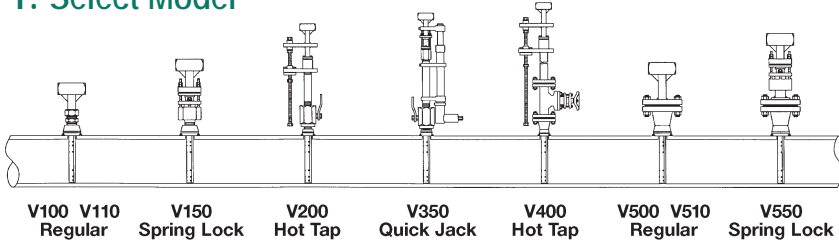
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How to Order

1. Select Model



2. Furnish Flow Conditions

General Data	Fluid Parameters	Maximum	Normal	Minimum	Units
Tag Number	Flow Rate				
Pipe size & sch. or exact ID & wall thickness	Pressure				
	Temperature				
Fluid Name	Density*				
*If available. If not, the Veris Flow Calculation Program contains steam tables					

3. Calculate and Verify

Calculate *Verabar* Differential Pressure, and Verify Model Selection and Structural Calculations (See VeraCalc Program for calculations, and complete specifications, submittal and installation drawings)

4. Select YOKOGAWA Transmitter

Select EJX910A Model Code and Differential Pressure Range (Refer to General Specifications)

Specifications

Verabar	
Accuracy	1.0%
Repeatability	0.1%
Material	Weld coupling: Compatible with pipe material Sensor: Standard 316SS Special: Inconel, Hastelloy, 316H and others
Pressure	ANSI Class – 150#, 300# and 600#* Flanged Models up to 2500#
Max Allowable DP	As shown on VeraCalc Flow Calculation Program
Temperature – Direct Mount	Limited by the transmitter**
Temperature – Remote Mount	800F (max)*
*Model & component selection must be verified by VeraCalc (Flow & Structural Calculation Program) **See transmitter's General Specifications	

For detailed specifications, please refer to each reference document

NOTICE

Before operating the product, read the user's manual thoroughly for proper and safe operation.

DP Harp **EJX**™ is a registered trademark of Yokogawa Electric Corporation.

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Verabar® is manufactured by:

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True Performance in Flow Measurement

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A Yokogawa Commitment to Industry

vigilance®

quality

innovation

foresight

What does Yokogawa **vigilance** mean to the future of your business? **Quality**. Through products that are built from the ground up and tested to the last hour, you're ensured continuous operation and more uptime. **Innovation**. Your business will benefit from new insights and capabilities, bringing true predictability to your process. **Foresight**. As the market changes, you'll have solutions that give you the continuity and flexibility to plan ahead and grow. Our partners know the difference. With Yokogawa, you can count on a lifetime of plant efficiency, from instrumentation to operation support. Let us be vigilant about your business.

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