

## IZMS: Precise meter-based timing flow measurement

# Flow measurement with PMO-compliance

The IZMS series electromagnetic flow meter is an ideal solution for measuring conductive fluids and slurries, including those used in the dairy industry. With its PMO M-b approval, it meets the strict requirements for meter-based timing applications in pasteurization processes. The IZMS series provides highly accurate and reliable flow measurements that are unaffected by product viscosity, density, temperature, and the presence of suspended particles and solids. Its robust construction and easy installation make it a cost-effective choice for dairy processors looking to improve their production efficiency and ensure compliance with FDA regulations.

### Certifiable for official usage:

Designed to exceed the requirements of the Pasteurized Milk Ordinance (PMO) Grade "A" program.

#### • Standard 2-Piece Design:

Optimal performance and longevity in hot, humid process environments typically found in the food and dairy processing industry.

#### • Accurate and Reliable Measurements:

Automatic flow ranging and unique signal processing methods developed from years of experience in the food and dairy industry provide exceptional accuracy and immunity against process and environmental variables.

#### • Simple Commissioning and Programming:

The control unit features a display and buttons option for quick + easy programming, without opening the housing.



### Technical specifications IZMS at a glance

- Measuring range from 30 l/h to 280.000 l/h (.26 GPM to 1761 GPM)
- Measuring accuracy:  $\pm 0.25\%$   $\pm 2\text{mm/s}$
- High measuring accuracy even at low flow rates
- For liquids, slurries and pastes with a minimum conductivity of  $> 5 \mu\text{S/cm}$
- Process temperature up to  $163^\circ\text{C}$  ( $329^\circ\text{F}$ )
- Power options: Field selectable 115VAC - 230VAC/50-60 Hz/single phase, 10 - 30 VDC option
- Multiple output pulse and analog configurations

## The perfect recorder solution for PMO-compliant Processes:

### PPR Paperless Process Recorder & Legendary™ Software

#### The first Digital Process Recorder System with M-b Certification:

For audit-ready digital records and annotations, streamlined workflows, remote access and approval and secure storage

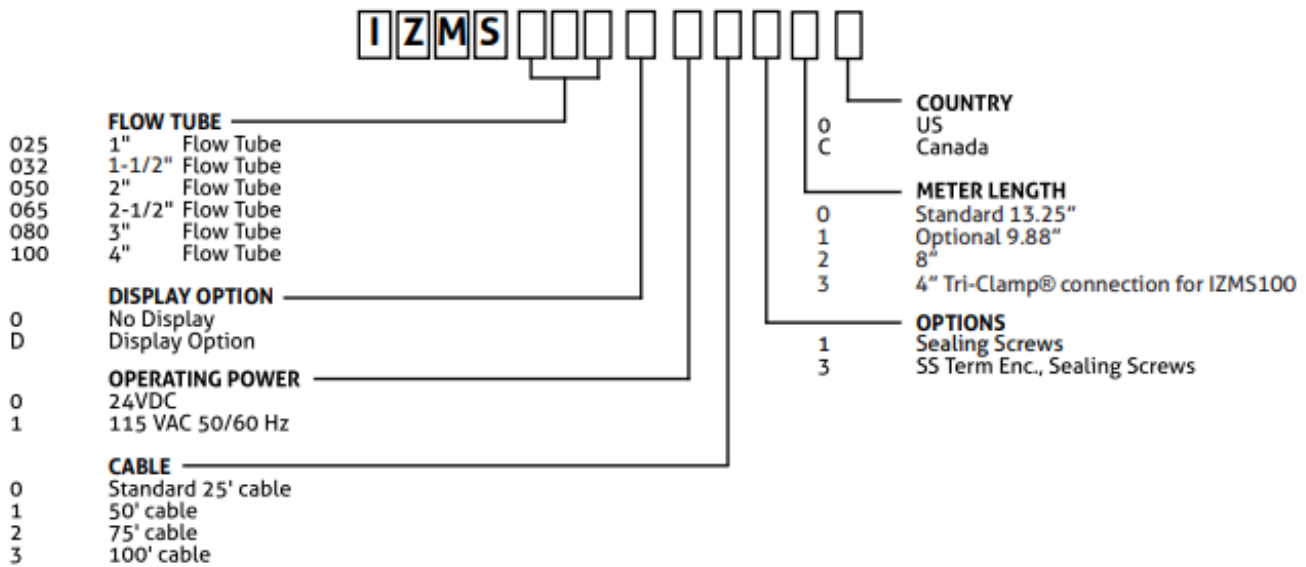
Avoids consumables cost and unplanned downtimes



#### Let all the hassle with paper charts behind you:

Digital workflows, data storage and access management make PMO Compliance for processes easier than ever for you and your entire team.

## Precise dosing with automatic signal processing: IZMS








## How can PMO compliant instrumentation support production efficiency?

PMO stands for "Pasteurized Milk Ordinance", a regulation that ensures that Grade "A" dairy products meet the highest safety standards in the US. The FDA issues a "Memorandum of Milk Ordinance Equipment Compliance" (M-b), a letter of conformity to show that a particular device/system has been found to be compliant with the requirements within PMO. This requires a comprehensive technical product review and in-depth evaluation of performance data by a regional Dairy Equipment Review Committee.

**Our tip:** We have M-b's issued for a number of products. This certificate confirms to the State Inspector that the device meets the standards and requirement within the PMO. If you use devices with M-b, you can face the inspections with confidence.

For continuous pasteurization systems like HTST we have M-b's issued for following Sensors and Process Recorders. For VAT Pasteurization we have an M-b issued for the complete VAT Pasteurization Controls Package.

				
Process Recorder: PPR / AV9900	Flow Meter: IZMS	Temperature: FD	Differential Pressure: GB	Pasteurization Controls Package: VAT
<ul style="list-style-type: none"> <li>✓ PPR is the first digital process recorder with M-b</li> <li>✓ For audit-ready digital records and annotations, streamlined workflows, remote access and approval and secure storage</li> <li>✓ Avoids consumables cost and unplanned downtimes</li> <li>✓ AV9900 is a failsafe chart solution for up to 4 inputs</li> </ul>	<ul style="list-style-type: none"> <li>✓ Measuring range 30...280 000 l/h (8 ...74 000 gal/hr)</li> <li>✓ Measuring accuracy up to ±0.2 % ±1 mm/s</li> <li>✓ Process temperature up to 165 °C / 325 °F, CIP up to 130 °C / 266 °F (30 min.)</li> </ul>	<ul style="list-style-type: none"> <li>✓ Digital Reference Thermometer</li> <li>✓ 21 CFR 113 for retort applications</li> <li>✓ Measuring range -50 to 350 °F</li> <li>✓ Display distance from sensor up to 1500'</li> </ul>	<ul style="list-style-type: none"> <li>✓ Efficient control of the continuous pasteurizer regenerators</li> <li>✓ Sensors and range options for standard and UHT applications</li> </ul>	<ul style="list-style-type: none"> <li>✓ Complete system including:</li> <li>✓ One AJ-300 Circular Chart Recorder</li> <li>✓ Two CT8V probes for airspace and product temperature measurement</li> </ul>