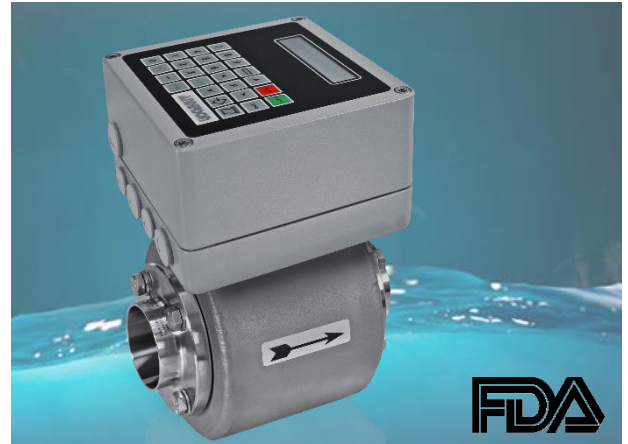# IZMSA: Precision with self-learning effect, also Certifiable
Flow measurement with many options

The electromagnetic flow meter IZMSA offers optimised and automated monitoring, especially for keg filling, blending vessels and other dosing applications. Overrun control, quantity preselection and temperature detection create more accuracy, reproducibility, and process reliability.

Certifiable for official usage:

Evaluation Certificate TC 7520 for Installation in official measuring systems according to 2014/32/EU and Custody Transfer Measurement.

· **Self-learning overrun control:**
  Overfill quantities, e.g. due to valve response times, are detected and automatically compensated for.

· **Quantity Preselection (Option):**
  For recurring filling processes, the target quantity can be set. A separate throttling stage improves reproducibility.

· **Temperature detection (Option):**
  A direct Pt100 input with time and date recording registers temperature effects

· **Simplest commissioning and operation:**
  User-friendly control unit with display and buttons, no need to open the housing, quick and easy programming.

· **Manufacturer-independent process connection:**
  Standard aseptic flange according to DIN 11864, with O-ring (no hygiene-sensitive surface seal), pipe standard DN10 …DN100 (1/2"…4").

FDA

Remote Version

Technical specifications IZMSA at a glance

· **Measuring range from 30 l/h to 280.000 l/h**
· **Measuring accuracy: ±0,5% ±2mm/s**
· **High measuring accuracy even at low flow rates**
· **For liquids, slurries and pastes with a minimum conductivity of > 5 μS/cm**
· **Process temperature up to 100 °C (212 °F) for compact / 165 °C (329 °F) for remote version**
· **CIP-/ SIP up to 130 °C (266 °F) / max. 30 min**

The complete diversity of electromagnetic flow measurement:

High precision when it matters: FMI

The alternative high-end version for higher accuracy requirements:
· **Even more precise:**
  Measuring accuracy: ±0,2% ±1mm/s
· **Even more versatile electronics:**
  eg. optional Profibus

Has everything you really need: FMQ

The cost-efficient and compact Allrounder:
· **Digital or Analog:**
  IO-Link and 4…20 mA available
· **Extremely reliable, robust, precise, and easy to operate**

Precise dosing with self-learning effect: IZMSA, also certifiable (for official usage)

Compact device with flow tube and head electronics

IZMSA-C   Compact magnetic-inductive flow meter

Nominal diameter/size
FT010	Meter tube nominal width DN 10
FT015	Meter tube nominal width DN 15
FT025	Meter tube nominal width DN 25
FT032	Meter tube nominal width DN 32
FT040	Meter tube nominal width DN 40
FT050	Meter tube nominal width DN 50
FT065	Meter tube nominal width DN 65
FT080	Meter tube nominal width DN 80
FT100	Meter tube nominal width DN 100

Certificate
S	None
P	3.1 certificates of all wetted parts and factory calibration certificate

Display
0	No display
D	LC display

Power supply
DC	10...30 V DC

Configuration
S0	Standard
SV	Quantity preselection
T0	Temperature input
TV	Temperature input and quantity preselection
MXX	Special customer setting

Version
X	Standard
E	For official usage

IZMSA-C / FT010 / S / 0 / DC / S0

IZMSA-R   Magnetic-inductive flow meter, remote version

Interconnect cable
1	1 meter length
2	2 meter length
3	3 meter length
4	4 meter length
5	5 meter length
6	6 meter length
7	7 meter length
8	8 meter length
9	9 meter length
10	10 meter length

Process adapters (optional available)

SS Weld flange	TC Tri-Clamp	GG Milk pipe fitting	HH Aseptic fitting	VN Varivent	FG FG hygienic flange	DF DIN flange	SM SMS threaded connector