

# The benchmark for accuracy, reliability, and durability

## Permanently precise flow control: IZMAG

The electromagnetic flowmeter IZMAG is an extremely versatile, robust and reliable instrument for all conductive media such as milk, cream, beer, tomato paste, sauces, molasses, yoghurt, slurries, concentrates and cleaning agents.

The performance spectrum is adapted to almost all applications in the food and pharmaceutical industries, also for dosing and filling applications:

- **Extremely robust:** All components are made entirely of stainless steel. The magnetic field coils of the measuring system are fully encapsulated, which guarantees reliable, precise measuring results even in very harsh environments with strong vibrations or pressure shocks
- **Extremely reliable:** Fully protected against moisture, corrosion, and vibrations; vacuum-capable measuring tube lining made of high-quality PFA, process temperature up to 165°C (325° F) (remote), suitable for CIP cleaning and pigging.
- **Always accurate:** Advanced signal processing ensures that the measurement is always accurate even with a change in liquid (e.g., milk/CIP cleaner)
- **Simple commissioning and operation:** User-friendly, rotatable backlit display with optical buttons for quick and easy programming, no opening of the cap required, no mechanical buttons
- **Extremely versatile electronics:** many configurations make individual settings possible. Available options include remote electronics.

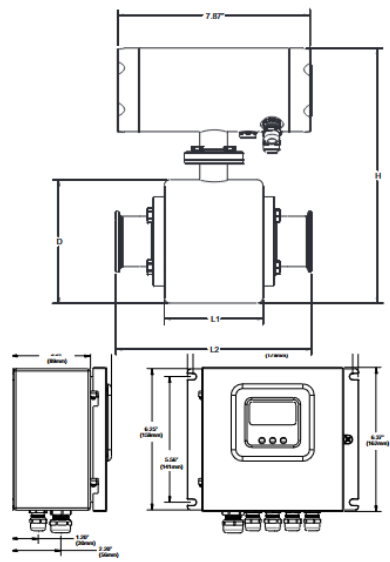
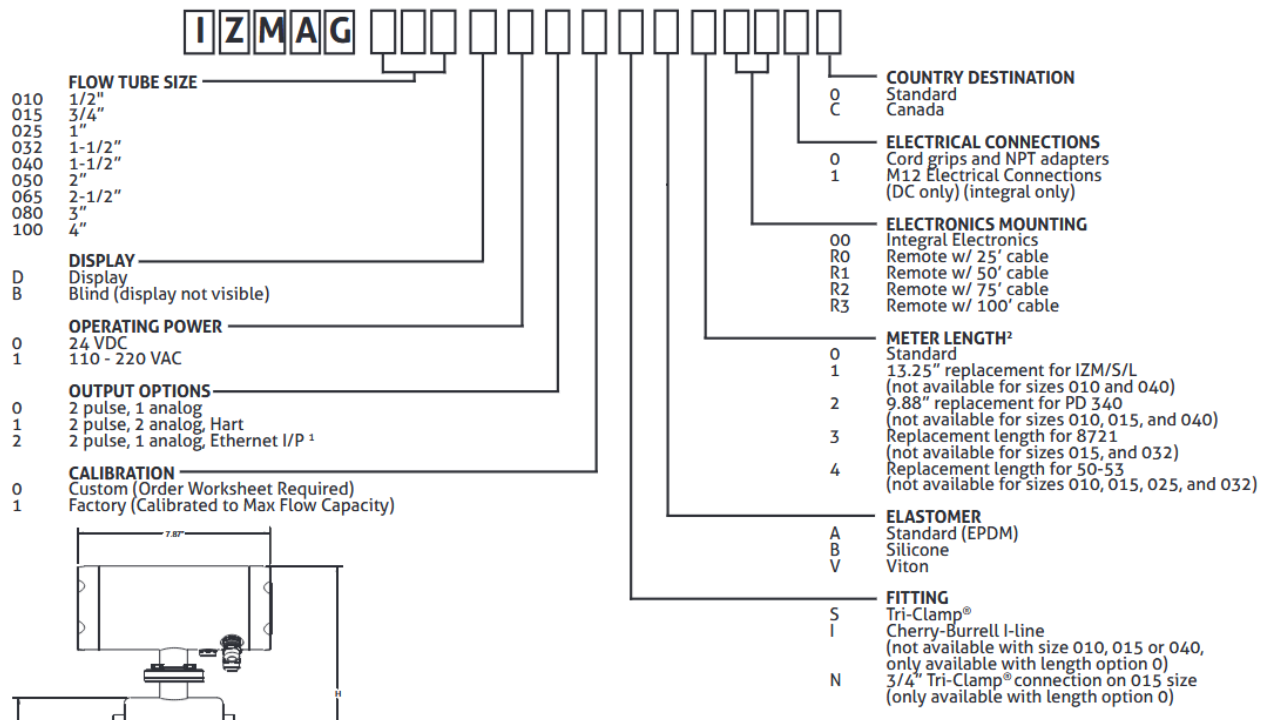


### Technical Specifications at a glance

- **Measuring range from 30 l/h up to 280 000 l/h (.13... 1232 GPM)**
- **Very high accuracy:  $\pm 0.20\%$  /  $\pm 1\text{mm/s}$**
- **For liquids, mashes, pastes and cleaning solutions with a min. conductivity of  $> 5 \mu\text{S/cm}$**
- **Process temperature up to 100° C (212° F) or 163° C (325° F) with remote electronics**
- **CIP / SIP cleaning up to 130° C (266° F) / 30 minutes with integral electronics**
- **Sensor with aseptic flange, many standard process connections available**



**Order Information**



<sup>1</sup> available only on 24VDC  
<sup>2</sup> Check length chart to confirm applicability

DN	Flowtube	D	H	L1	L2					Fitting Option	Weight (lbs)
					0	1	2	3	4		
010	1/2"	3.54"	8.86"	4.09"	6.75"	-	-	8.31	-	-	14.4
015	3/4"	3.54"	8.86"	4.09"	8.00"	13.25"	-	-	-	-	14.4
025	1"	3.54"	8.86"	4.09"	8.00"	13.25"	9.88"	7.85	-	13"	14.6
032	1-1/2"	4.13"	9.45"	4.09"	8.00"	13.25"	9.88"	-	-	13"	17.0
040	1-1/2"	4.13"	9.45"	4.09"	8.00"	-	-	8.17	10.91	-	17.0
050	2"	5.12"	10.43"	4.09"	8.00"	13.25"	9.88"	8.60	10.91	13"	19.8
065	2-1/2"	5.12"	10.43"	6.30"	9.00"	13.25"	9.88"	9.43	10.91	13"	25.3
080	3"	6.10"	11.42"	6.30"	9.88"	13.25"	9.88"	10.18	13.27	13"	37.4
100	4"	6.69"	12.01"	7.87"	11.90"	13.67"	-	11.70	13.27	14"	50.5