



**FLOW
LEVEL
PRESSURE
ANALYTICAL
TEMPERATURE
INSTRUMENTATION
PASTEURIZATION CONTROLS**

"IZML" Electromagnetic Flowmeter

- *± .25% accuracy over flow range*
- *Meets all 3A sanitary Standards*
- *Economical alternative to other flow technologies*

When basic, accurate flow measurement is the requirement, the IZML electromagnetic flowmeter is the obvious choice. The IZML offers a low cost alternative for applications where high accuracy measurement is needed. With an accuracy of $\pm .25\%$ of rate, the IZML distinguishes itself from other low-cost magmeters by providing accuracy typically reserved for premium flowmeters yet priced competitively to the less capable flowmeters.

Anderson's IZML was developed from the extremely accurate and proven design of the IZMS electromagnetic flowmeter, utilizing sophisticated signal processing and circuit design to

provide superior performance in an integral design that simplifies installation and start up. The IZML's measurement is unaffected by changes in viscosity, density or temperature.

The unit offers one scaled digital pulse output as standard, with an analog output as an option making this offering unique as a simple, yet highly accurate flowmeter.

For more information on this flowmeter, or any of our Accurate flow products, visit www.andinst.com or call our Customer Service Department at 1-800-833-0081.

APPLICATIONS

- Beer
- Beverage Concentrates
- Brine
- Catsup
- CIP Solution
- Milk
- Cream
- Juices
- Yogurt
- Sauces



IZML Specifications

Operational Specifications

Ambient Temperature:	5°F to 131°F (-15°C to 55°C)
Maximum Product Temp:	176°F / 80°C
Maximum Cleaning Temp:	250°F/120°C for 30 minutes
Maximum Inlet Pressure:	115 psi / 8 bar
Minimum Fluid Conductivity:	5 µS / cm

Material / Construction

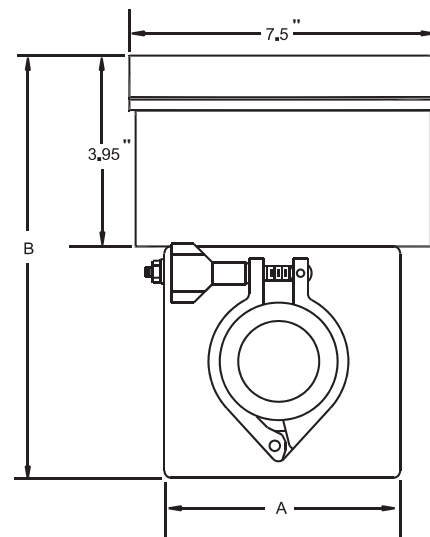
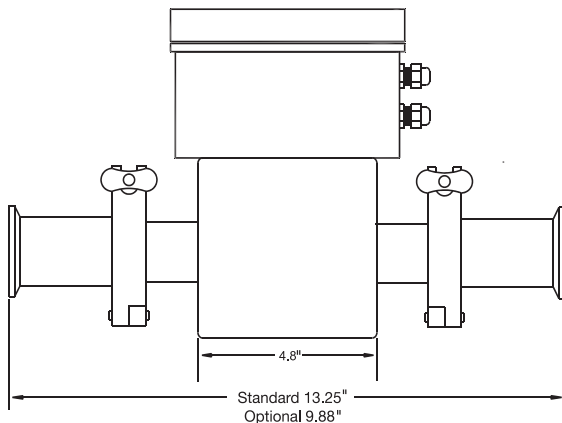
Housing:	304 stainless steel
Lining:	PTFE (non-filled virgin Teflon®)
Electrodes:	316L stainless steel
Housing:	Cast aluminum with corrosion-resistant coating (IP67)
Process Connection:	Sanitary Clamp

Electronics

Electrical Supply:	16-34 VDC (.4-.2A) 115 / 230 VAC / 50-60Hz (0.10A / 0.05A) -15% / +10%
Power Consumption:	10VA / 6 watt maximum
Magnetic Field:	DC pulsed with self-adapting adjustment
Digital Pulse Output:	1x galvanically separated optocoupler. Load: 30V, 80mA max., 1,000Hz max.
Analog Output (optional):	4-20mA (active) 500 ohms maximum
Digital Input:	1x galvanically separated input. Activation: 10-30VDC, 10Hz maximum

METER FLOW RANGES

Size inches	Total operational range gallons per minute	Metering accuracy at rate	
		<1%	<.25%
1-1/2	1.0 - 85	> 1.0 gpm	> 2.1 gpm
2	3.1 - 198	> 3.1 gpm	> 6.2 gpm
2-1/2	5.3 - 330	> 5.3 gpm	> 10.6 gpm
3	7.9 - 528	> 7.9 gpm	> 15.8 gpm



Sanitary Clamp Connections	Dimensions				Approximate Weight
	A		B		
1-1/2"	3.9"	100mm	7.9"	200mm	19 lb.
2"	5.1"	130mm	9.1"	230mm	22 lb.
2-1/2"	6.5"	165mm	10.4"	265mm	30 lb.
3"	6.5"	165mm	10.4"	265mm	32 lb.

HOW TO ORDER



032	FLOW TUBE SIZE	1-1/4" Flow Tube
050		2" Flow Tube
065		2-1/2" Flow Tube
080		3" Flow Tube
0	DISPLAY OPTION	No Display
D		Display Option
0	OPERATING POWER	24VDC
1		115 VAC 50/60 Hz
2		230 VAC 50/60 Hz
0	OUTPUT OPTION	No Analog Output
1		Analog Output
0	METER LENGTH	Standard 13.25"
1		Optional 9.88"

ACCESSORIES

Part Number	Description
MLD	Service Terminal Unit/ Hand-held Programmer

REPLACEMENT PARTS

Part Number	Description
300-33	Set of Silicon Gaskets for IZML032
300-51	Set of Silicon Gaskets for IZML050
300-66	Set of Silicon Gaskets for IZML065
300-85	Set of Silicon Gaskets for IZML080