



FLOW
LEVEL
PRESSURE
ANALYTICAL
TEMPERATURE
INSTRUMENTATION
PASTEURIZATION CONTROLS

Holland[®]
APPLIED TECHNOLOGIES
Indianapolis • Chicago • San Juan
www.hollandapt.com
800-800-8464

"IZML" Electromagnetic Flowmeter

- $\pm .25\%$ accuracy over flow range
- 3-A compliant; Third party verified in accordance with standard 28-03
- 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 a standard

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

The meter offers one scaled pulse output as standard, with an additional analog output as an option. When equipped with a display, access to two resettable totalizers and a rate indicator is provided along with the ability to change configuration and calibration parameters making this offering unique as a simple, yet highly accurate flowmeter.

Complete specifications and ordering information are available on the reverse. For more information please visit our Web Site at www.andinst.com, or contact your local Authorized Anderson Distributor.

APPLICATIONS

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



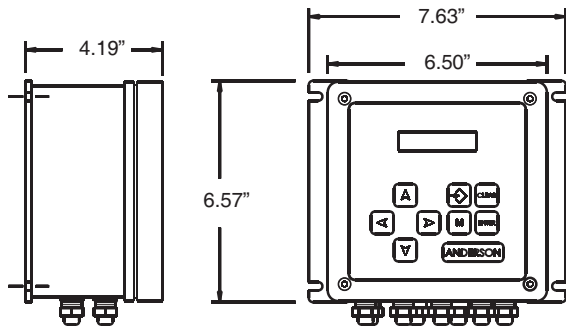
IZML Specifications

OPERATIONAL SPECIFICATIONS

Ambient Temperature: Electronics 5°F to 131°F (-15°C to 55°C)
 Maximum Product Temp: 176°F (80°C) Integral Electronics
 300°F (149°C) Remote Electronics
 Maximum Cleaning Temp: 250°F (120°C) for 30 minutes (Integral)
 Maximum Inlet Pressure: 145 psi / 10 bar
 Minimum Fluid Conductivity: 5 µS / cm
 Minimum Pressure: 7psi absolute / 0.5 bar

IZML FLOWRANGES

Connection Size	Flow Range (GPM)	Metering Accuracy (GPM)	
		<1.0%	<.25%
3/4"	.25 - 18	> .25	> .46
1"	.66 - 53	> .66	> 1.3
1-1/2"	1 - 85	> 1.0	> 2.0
2"	3 - 198	> 3.0	> 6.2
2-1/2"	5 - 330	> 5.0	> 11
3"	8 - 528	> 8.0	> 16
4"	12 - 880	> 12	> 24



SIDE VIEW

FRONT VIEW

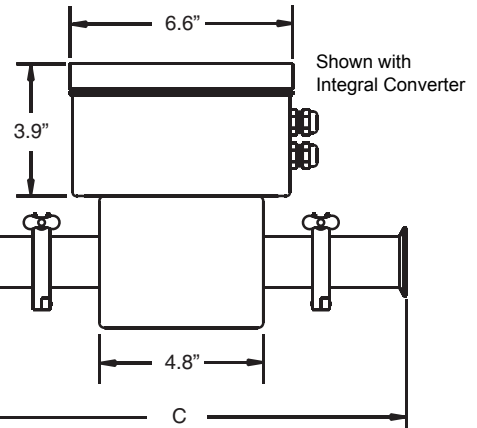
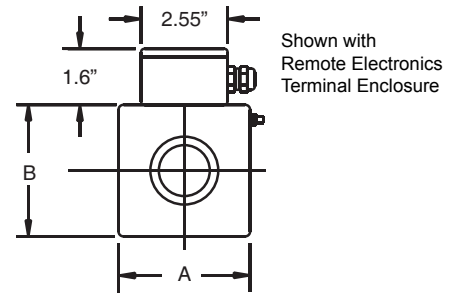
Sanitary Clamp Connections	Dimensions						Combined Approx. Weight
	A	B	C				
			Standard	Option 1	Option 2	Option 3	
1" / 3/4"	3.9"	6.3"	13.25"	9.88"	10.50"	—	19 lb.
1-1/2"	3.9"	6.3"	13.25"	9.88"	—	—	19 lb.
2"	5.1"	7.5"	13.25"	9.88"	—	—	22 lb.
2-1/2"	6.5"	8.8"	13.25"	9.88"	—	—	30 lb.
3"	6.5"	8.8"	13.25"	9.88"	—	—	32 lb.
4" Flange	7.5"	9.8"	11.67"	—	—	13.67"	46 lb.

MATERIAL / CONSTRUCTION

Housing(flowtube): 304 stainless steel
 Lining: PTFE (non-filled virgin Teflon®)
 Electrodes: 316L stainless steel
 Housing(electronics): Cast aluminum with corrosion-resistant coating (IP67)
 Process Connection: Sanitary Clamp 3/4"-3" sizes (4" Flange)

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 (option 1): 4-20mA (active) 500 ohms maximum
 Analog Output (option 2): 4-20mA (passive) with HART Communication ver. 6
 Digital Input: 1x galvanically separated input
 Activation: 10-30VDC
 Display (optional): 2 line back lit



HOW TO ORDER



- FLOW TUBE SIZE**
- 015 5/8" Flow Tube
 - 025 1" Flow Tube
 - 032 1-1/4" Flow Tube
 - 050 2" Flow Tube
- DISPLAY OPTION**
- 0 No Display
 - D Display Option
- OPERATING POWER**
- 0 24VDC
 - 1 115 VAC 50/60 Hz
 - 2 230 VAC 50/60 Hz
- OUTPUT OPTION**
- 0 No Analog Output
 - 1 Analog Output - Active Output
 - 2 Analog Output - Passive Output with HART Communication
- METER LENGTH**
- 0 Standard
 - 1 Optional 9.88" (Drop-in replacement for PD340 meters)
 - 2 Optional 3/4" T.C on IZML015 length 10.5"
 - 3 4" Tri-Clamp® connection for IZML100

- COUNTRY**
- 0 US
 - C Canada

CONVERTER MOUNTING

- 00 Integral
- R0 Remote with 25' cable
- R1 Remote with 50' cable
- R2 Remote with 75' cable
- R3 Remote with 100' cable
- S0 Remote, SS Term. Enc., 25' cable
- S1 Remote, SS Term. Enc., 50' cable
- S2 Remote, SS Term. Enc., 75' cable
- S3 Remote, SS Term. Enc., 100' cable

ACCESSORIES

- | Part Number | Description |
|-------------|--|
| MLD | Service Terminal Unit/Hand-held Programmer |
| IZM-USB | USB Communication Interface |

REPLACEMENT PARTS

- | Part Number | Description |
|-------------|-------------------------------------|
| 300-16 | Set of Silicone Gaskets for IZML015 |
| 300-26 | Set of Silicone Gaskets for IZML025 |
| 300-33 | Set of Silicone Gaskets for IZML032 |
| 300-51 | Set of Silicone Gaskets for IZML050 |
| 300-66 | Set of Silicone Gaskets for IZML065 |
| 300-85 | Set of Silicone Gaskets for IZML080 |
| 300-101F | Flange Gasket for IZML100 |