05067 / 2.12 / 2026-09-19 / RF / NA

Product Information - IZMAG **FOOD**

"IZMAG" Electromagnetic Flowmeter

Introduction

The IZMAG is Anderson-Negele's next generation of electromagnetic flow meter. Building on the qualities that made its predecessor, the IZMS meter, the industry standard in accuracy and longevity, the IZMAG incorporates new design and performance features that allow it to excel in the most demanding sanitary processing environments.

From the outside, one will recognize that a compact, all stainless steel housing now provides the highest level of protection from the cleaning chemicals and environmental extremes present in food processing facilities. A standard backlit graphic display provides metering information not only as numbers and text but also has the ability to display images. By using images along with text, a more intuitive feel to navigation is achieved, making the programming experience quicker and simpler.

On the inside, a PFA liner offers increased pressure, temperature, and vacuum capability, enabling the IZMAG to support an expanded list of high-temperature and aseptic applications. Additionally, for applications involving aggressive cleaning agents or chemically demanding media, the IZMAG is now available with optional Nickel Alloy 22 (UNS N06022) electrodes. These corrosion-resistant electrodes provide enhanced durability and long-term measurement reliability in environments where standard electrode materials may degrade.

In addition to these features, the flow meter's compact overall size allows installation into tight-fitting applications without sacrificing measurement performance.

Complete specifications and ordering information are available on the reverse side. For more information, please visit our website at www.anderson-negele.com or contact your local authorized Anderson-Negele distributor.



Authorizations

Features

- ± 0.20% accuracy
- Compact design fits challenging applications
- Stainless steel housing suitable for all processing environments
- 3-A compliant; Third party verified in accordance with the 3-A standard 28-

Applications

- Milk
- Cream
- Beer
- Tomato Paste
- Sauces
- Molasses
- Yogurt
- Slurries
- Concentrates
- Cleaning solutions

Note on Operating Manual

This product information is not an operating manual. Please note the information on device safety, installation and operation in the product operating manual.

It is available on our website:
anderson-negele.com/us-manuals

Click or Scan

Specifications

PERFORMANCE

Accuracy: ± .20% of rate* (* ± 1 mm/sec)
Repeatability: ±0.1%

Size	Operational Flow Range gal/min	ltr/min
10	0.14 - 14	0.53 - 53
15	0.3 - 30	1.13 - 113
25	0.8 - 80	3.0 - 300
32	1.3 - 130	5.0 - 500
40	2-200	7.5-750
50	3 - 300	11.7 - 1166
65	5.2 - 525	20 - 2000
80	8 - 800	30 - 3000
100	12 - 1200	46 - 4667

OPERATING / ENVIRONMENTAL

Process Temperature: 32-212°F (0-100°C) integral electronics
32-284°F (0-140°C) remote electronics
Ambient Temperature: DC -12 – 130°F(-25-55°C)
AC -12 – 120°F(-25-45°C)
Pressure Rating: 1.4-145 psi abs.
.1 – 11 bar abs.
Product Requirements: 5 µS min. conductivity
15 µS/cm minimum for remote electronics
Approvals: CE (excluding ethernet), 3-A

MATERIALS / CONSTRUCTION

Product Contact Surfaces: PFA 316L SS, EPDM, Silicone for temperature over 250°F, Viton, Nickel Alloy 22 for highly corrosive media
Housing: 304 SS
Enclosure Rating: IP 67
Process Connections: Tri-Clamp®, Cherry I-line

ELECTRICAL / POWER / SIGNAL

Power Requirement: Option 0: 18-30 VDC
Option 1: 100-240 VAC 50-60hz (-15%/+ 10%)
Option 2: 9-32 VDC
Max: 10 VA / 8.5 Watts
Signal Output: (2) digital pulse output 24VDC @20 mA
(1) digital status output 24VDC @20 mA
(1) 4-20mA passive/active Optional 2nd 4-20mA w/Hart (passive)
Control Input: (1) 9-32 VDC R<3.2kohms
Connections: (3) M16 ports with cord grips and ½" conduit adapters
Display: Graphic LCD 46 X23mm illuminated
Communications: Hart ver. 6, CS3 BUS Optional: Ethernet IP

Order Information IZMAG

I Z M A G [ ][ ][ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ][ ][ ][ ]

FLOW TUBE SIZE
010 1/2"
015 3/4"
025 1"
032 1-1/2"
040 1-1/2"
050 2"
065 2-1/2"
080 3"
100 4"

DISPLAY
D Display
B Blind (display not visible)

OPERATING POWER
0 18-30 VDC
1 100-240 VAC
2 9-32 VDC

OUTPUT OPTIONS
0 2 pulse, 1 analog
1 2 pulse, 2 analog, Hart
2 2 pulse, 1 analog, Ethernet I/P [1]

CALIBRATION
0 Custom (Order Worksheet Required)
1 Factory (Calibrated to Max Flow Capacity)

COUNTRY DESTINATION
0 Standard
C Canada

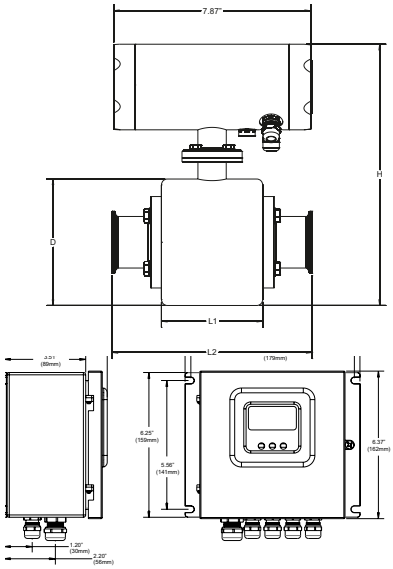
ELECTRICAL CONNECTIONS
0 Cord grips and NPT adapters
1 M12 Electrical Connections (DC only) (integral only)

ELECTRONICS MOUNTING
00 Integral Electronics
R0 Remote w/ 25' cable[3]
R1 Remote w/ 50' cable[3]
R2 Remote w/ 75' cable[3]
R3 Remote w/ 100' cable[3]

METER LENGTH[2]
0 Standard
1 13.25" replacement for IZM/S/L (not available for sizes 010 and 040)
2 9.88" replacement for PD 340 (not available for sizes 010, 015, and 040)
3 Replacement length for 8721 (not available for sizes 015, and 032)
4 Replacement length for 50-53 (not available for sizes 010, 015, 025, and 032)

ELASTOMER / ELECTRODE MATERIAL
A EPDM / 316L Stainless
B Silicone / 316L Stainless
V Viton / 316L Stainless
D EPDM / Nickel Alloy 22 (not available for sizes 010, 015)
E Silicone / Nickel Alloy 22 (not available for sizes 010, 015)
F Viton / Nickel Alloy 22 (not available for sizes 010, 015)

FITTING
S Tri-Clamp®
I Cherry-Burrell I-line (not available with size 010, 015 or 040, only available with length option 0)
N 3/4" Tri-Clamp® connection on 015 size (only available with length option 0)



[1] Available with Operating Power options 0 & 2
[2] Check length chart to confirm applicability
[3] Available only with Operating Power options 0 & 1

DN	Flowtube	D	H	L1	L2 Length Option 0	1	2	3	4	L2 Fitting Option I	Weight (lbs)
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

ANDERSON INSTRUMENT COMPANY
156 Auriesville Road
Fultonville, NY 12072, USA
Phone 800-833-0081
info@anderson-negele.com
techservice@anderson-negele.com

NEGELE MESSTECHNIK GMBH
Raiffeisenweg 7
87743 Egg an der Guenz, GERMANY
Phone +49 (0) 83 33 . 92 04 - 0
sales@anderson-negele.com
support@anderson-negele.com