RLM7000 SERIES

RADAR LEVEL METER

Full featured radar level meter combines easy installation with high accuracy.

RADAR OPEN CHANNEL FLOW METER



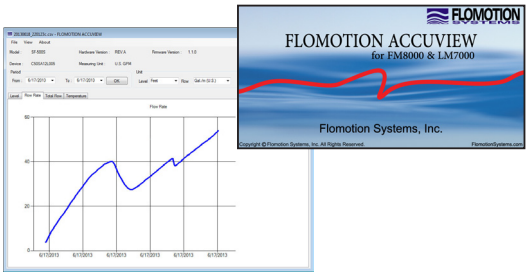
Constructed of corrosion resistant materials with a large backlit LCD screen and latching cover.

DESCRIPTION

The FLOMOTION RLM7000 provides non-contacting radar level measurement for a wide variety of applications in both liquids and solids. The system is composed of an ultrasonic sensor and a remote mounted controller for maximum flexibility.

Easy calibration and maintenance-free performance means you can install the RLM7000 rapidly and with confidence.

The FLOMOTION RLM7000 is ideally suited for a wide range of measurement applications such as wastewater pump stations, wet wells, ponds/reservoirs and chemical storage tanks.



Flomotion Accuview
Software for Data Analysis

RLM7000 FEATURES

- Measurement range: 50 ft
- Programmable 4-20mA analog output
- Menu driven programming
- 3 or 6 SPDT relays for alarms and external control
- Sensor is weather resistant and safe against submersion (NEMA 6P)
- Automatic temperature compensation
- Datalogging and data analysis using Flomotion Accuview software.

APPLICATIONS

- Hydraulic facilities such as water purification plants and wastewater treatment plants
- Tanks for storing water, liquids, or chemicals
- Rivers, channels, and other open waterways

RLM7000 SERIES ENGINEERING SPECIFICATIONS

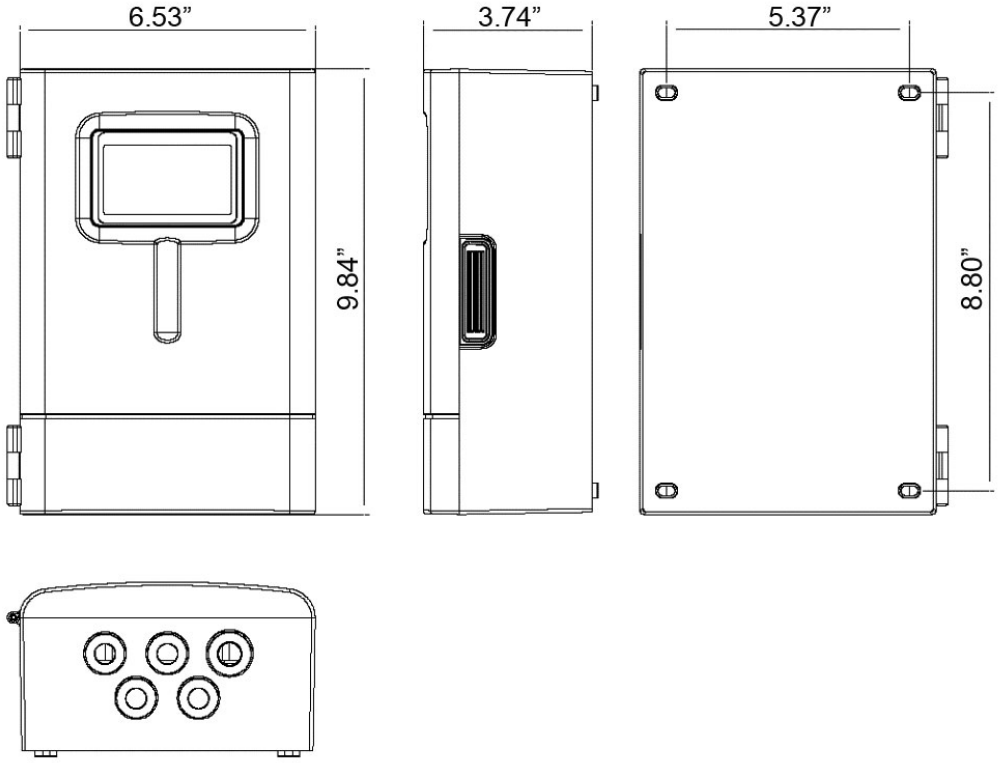
RLM CONTROLLER

Measurement Method:	Non-contact radar pulse reflection method
Accuracy:	0.1% of F.S
Resolution:	1mm
Response Speed:	0.1mm/min ~100m/min (Selectable)
Data Logging:	16 or 128 logs (up to 672 days at 1 log/hour)
Outputs:	Analog 4~20mA into max 750Ω Relay 3 relays Digital RS-232(485), Modbus
Display:	Graphic LCD
Protection:	IP65
Operating Temperature:	-4F to 140F, Max. relative humidity 80%
Material:	Polycarbonate
Dimension:	6.54(W) x 9.84(H) x 3.74(D) in.
Weight:	4.4 lbs
Power Supply:	100-230VAC 50/60Hz, 29VA(12W) or 9-30VDC
Fuse:	250V T1.0A
Location:	Indoor/Outdoor
Altitude:	6500ft max

RLM SENSOR

Measuring Range:	50ft
Frequency:	60GHz
Beam Angle:	10° at -6dB
Mounting:	1-inch & 2-inch NPT
Weight:	3.3 lbs
Sensor Material:	PVDF, PP
Operating Temperature:	-22°F to 158°F Max. humidity 90%
Protection Rate:	IP68
Cable:	3-core shielded cable (AWG20), extendable up to 980 ft
Certification:	FCC, CE, UL

DIMENSIONS



FLOMOTION SYSTEMS Inc.
3 North Main St.
Middleport, NY 14105
Tel: 716-691-3941
Email: info@flomotionsystems.com
www.flomotionsystems.com

FLOMOTION SYSTEMS

© COPYRIGHT 2026 FLOMOTION SYSTEMS INC. PGS 103126