



Model
RVM

Portable Radar Wave Velocity Meter

Non-Contact Measurement, Handheld Meter, Angle Compensation



The Model RVM Portable Radar Wave Velocity Meter uses Doppler Radar technology to accurately measure surface velocity of open channel flow. The “point-and-shoot” design along with automatic vertical angle compensation provides easy to use operation. Model RVM also has user-adjustable horizontal angle compensation of 5° increments to further reduce measurement error. Flow velocity can be measured bi-directionally with user-selectable directional modes (flows away, towards, or in both directions). Model RVM features a backlit LCD that indicates flow velocity in feet per second or meters per second. Model RVM includes the meter, rechargeable batteries, 12 VDC car charger, and a rugged case.

FEATURES

- High accuracy
- Doppler radar technology
- Works with shallow flow depths
- Field rechargeable

APPLICATIONS

- Sewer systems
- Water systems
- Rivers
- Streams
- Hydrologic systems

Model RVM, Portable Radar Wave Velocity Meter

ACCESSORY

A-RVM-CC, RS-232 Communication Cable

SPECIFICATIONS:

- Service:** Water.
- Range:** 0.1 to 43 fps (0.3 to 13 m/s).
- Display:** Single-line, 5-digit, backlit LCD.
- Accuracy:** ±5%.
- Power Requirements:** 6.1 to 8 VDC, (6) 1.2 V AA NiMH batteries, installed functional, user replaceable (12 VDC lighter plug power cable included).
- Power Consumption:** 0.18 A max.
- Serial Communications:** RS232 (with purchase of A-RVM-CC).
- Temperature Limits:** -22 to 158°F (-30 to 70°C).
- Enclosure Rating:** IP55.
- Humidity Limit:** 90% RH @ 98.6°F (37°C).
- Enclosure Material:** ABS polycarbonate blend.
- Angle Compensation:** Vertical: automatic via tilt sensor; Horizontal: adjustable from 0 to 45° in 5° increments for cosine angle error.
- Weight:** 2.1 lb (907 g).

FLOW

Flow Sensors,
Portable