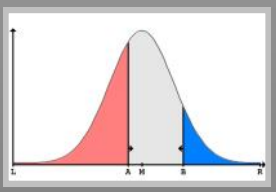
VIATRONICS RAILMASTER BULLET

"WHEN VERSATILITY COUNTS"

POWERED BY Makita

New Railmaster Bullet provides Unmatched Speed Range Up to 1400 KPH

- Easy controlling.
- Most accurate speed calculation is based on 0.3 % internal accuracy.
- Automatic cosine angle correction further increases accuracy in challenging measurement conditions.
  - Speed are accurate even in higher vertical measurement angles, when measured downwards from over passes.
- Built in Data Logger with date & time information.
- Upgradable software.
  - New calculation options, functions & interface languages can be added later.



- Optional GPS for saving GPS coordinates with flow, date & time information
- Sealed construction for maximum weather protection.
- IP67 classified computer interface for logged and raw data output.
- Selectable measurement units, Mps, Fps, Kph, Mph and Knots.
- Automatic horizontal & vertical cosine angle correction.
  - Builtin tilt sensor detects & correct automatically cosine error caused by vertical angle.
- Powered by Makita ,
  - Long operation hours with high quality Li-ion battery system.
  - Batteries widely available in super markets & hardware stores for years to come.

Read more...

VIATRONICS RAILMASTER

The Viatronics Railmaster Bullet is extremely accurate Speed Measurement Radar designed specifically to measure high speed targets like Bullet Trains. Unit measures speeds up to 1 400 KPH. Railmaster is the only Speed Radar which provides an automatic cosine angle correction by detecting & correcting the measurement results by using built-in tilt sensor.

Railmaster is in it's own league with up to 3 km target detection range as well. The TRG is also all-in-one tool with built-in Data Logger and an optional GPS-module. The TRG's All-In-One design increases productivity by being truly cordless device without any need to attach cords to other devices.

FUNCTIONS

- Built in data logger with automatic date and time information.
- Accurate speed measurement up to 3 km away
- Includes cosine error correction, allowing the unit to compensate for horizontal and vertical angles
- Wide speed range (1 – 1400 KPH)
- Powered by Makita, Replaceable & rechargeable Li-ion batteries
- Accepts tripod mounting
- User friendly measurement and reading
- Data port for computer.
- Internal cosine error correction, allowing the unit to compensate for vertical angles up to 60 degrees

TECHNICAL SPESIFICATIONS

Measurement Specifications	
Minimum Speed	< 1 KPH
Maximum Speed	1 400 KPH
Measurement Accuracy	± 0.3% - Speeds are rounded down to the nearest tenths of a unit
Range	Up to 3 Km (1.9 Miles)
Mechanical specifications:	
Weight	1.5 kg (3.3 lb)
Dimensions	L 19 cm (7.5 in), H 26.4 cm (10.4 in), W 8.6 cm (3.4 in)
Case Material	Die Cast Aluminium & Composite (PVC)
General specifications	
Units	KPH (kilometres-per-hour), MPH (miles-per-hour) and Knots, MPS (meters-per-seconds), FPS (feet-per-second),
Horizontal Cosine	0 °- 60 °
Sensitivity setting	0—8
Antenna Parameters	
Type	Ka-Band
Nominal Transmission Frequency	34.7 GHz
Nominal Horizontal Beam width	12° (+/- 1°)
Polarization	Circular
Nominal Microwave Power Output	15 mW nominal mW
Maximum Aperture Power Density	1 mW/cm^2
Environment	
Ambient Temperatures	-22°F to +158°F, -30°C to +70°C
Maximum Humidity	90% relative humidity at 99°F (37°C non-condensing)

Water resistance meets International Robustness Standard IEC 529:1989 and European Community Standard EN 60529

Voltages	
Supply Voltage Range	7.2VDC – 20VDC
Power Supply	replaceable Li-ion batteries, 18V / 1.3Ah
Power Consumption	
Standby	0.200 amperes
Antenna ON	0.470 amperes