

Falcon[®] RR

Railroad Speed Measurement



The reliable choice for railroad speed measurement.

High Resolution, Low Speed

- Directional Doppler RADAR system
- Digital Signal Processing (DSP)
- Supports tracking history after target lock with "Track through lock"
- Speed Range 0.5 to 99 MPH/KPH/Knots
- Simple one button mode changes

Low Power

- FCC Type 15 device
- Long battery life and low transmitted power
- <math><1\text{mW}/\text{cm}^2</math> power density

Easy to Read Display

- LCD non-multiplexed display for improved readability in direct sunlight
- LED backlight for night time operation
- Simple push button user interface
- Auto self-test with every locked target



High resolution, low speed

Long lasting battery

Directional K-band

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Standard Package

- Battery handle
- AC charger
- Hard carry case



Optional Accessories

- Corded handle w/cigarette adaptor
- Quick charger in car
- Soft case w/shoulder strap
- 0.5 to 99 MPH/KPH/Knotss
(0.2 minimum typical)



Specifications

One-piece Directional Doppler RADAR System:

Frequency: K-band 24.125 GHz (\pm 100 MHz)

Beam Width: $12^{\circ} \pm 1^{\circ}$

Speed Resolution: 0.1mph (0.1 km/h)

Operating Voltage: Corded: 10 to 16.5V DC,
300mA (max)

Weight: 2.0 lbs. (0.9 kg) with battery handle

Power Density: $<1\text{mW}/\text{cm}^2$ at aperture

Standard Warranty: 2 Years



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and layout solutions
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