

RW3100 Operating Description

The RW3100 radar detector is a dual conversion scanning super-heterodyne receiver with separate alarms for each of the radar bands, dim function, mute, filter and POP select. It detects front and rear laser and radar. It has a digital display of all functions.

The RW3100 detect POP radar signal. It is completely VG-2 undetectable. The RW3100 is built with high reliability surface mount construction and VCO technology for improved performance over a wide operating temperature. The RW3100 detects all radar and laser bands used by law enforcement:

10,475 – to – 10,575 MHz,

24,050 – to – 24,250 MHz,

and 33,400 – to – 36,000 MHz, as well as 904 nanometer infrared signals.

The RW3100 is compact, designed exclusively for automotive use and is powered by the 12-Volt electrical system in a car or truck. Also The RW3100 operate by the two AA Rechargeable NiMH battery

RW3100 SPECIFICATIONS

Radar

Receiver type : Dual conversion super-heterodyne

Antenna type : Linear polarized, self-contained

Detector type : Scanning frequency discriminator

Frequency operation : X-band; 10.525 GHz $\pm$ 50 MHz

K-band; 24.150 GHz $\pm$ 100 MHz

Ka-band (super-wide); 34.700 GHz $\pm$ 1,300 MHz

Laser

Receiver type : Pulsed laser signal receiver

Detector type : Digital signal processor pulse width discriminator

Optical sensor : Dual convex condenser lens and high speed photo diode detector,
905 $\pm$ 50 nanometers (nm)

General

Operating Temperature Range : -20° C to +80° C

Storage Temperature Range : -30° C to +100° C

Power requirements : 12V to 16V DC, 350mA, negative ground or AA x 2 Rechargeable NiMH
Battery

Dimensions : 1.2" H x 2.76" W x 5.3" L

Weight : 5.0 ounces