TRAXX Operating Description

The TRAXX radar detector is a dual conversion scanning super-heterodyne receiver with separate alarms for each of the radar bands, dim function, mute, city/highway select. It detects front and rear laser and radar. It contains selectable tone and a digital display of all functions. The TRAXX has selectable VG-2, allowing the driver to select whether he wishes to scan for the presence of detector-detectors or not. TRAXX is completely VG-2/VG-3 undetectable. It is completely VG-2 undetectable.

Also The TRAXX is built with tri-axis accelerometer sensor, It can check the G-force and the average horse power, the peak horse power, the timed run speed, ellapsed time for vehicle.

The TRAXX is built with high reliability surface mount construction and VCO technology for improved performance over a wide operating temperature. The TRAXX 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 TRAXX is compact, designed exclusively for automotive use and is powered by the 12-Volt electrical system in a car or truck.

TRAXX 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 ±50 MHz
K-band; 24.150 GHz ±100 MHz
Ka-band (super-wide); 34.700 GHz ±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 +/-50 nanometers (nm)

Accelerometer

Sensor : Tri-axis(X,Y,Z) +/-2g

General

Operating Temperature Range : -20° C to +70° C

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

Power requirements : 12V to 15V DC, 150mA, negative ground

Dimensions : 1.2″ H x 2.9″ W x 4.6″ L

Weight : appr.4.0 ounces