





GENERAL SPECIFICATIONS

Type:	Handheld Moving/Stationary Doppler Radar
Operating Frequency:	33.4 GHz to 36.0 GHz
Stability:	+ - 0.1 GHz
Power Requirements:	Corded Handle: 9.0 to 16.0 VDC, .55A typical at 13.8V XMIT Power Adapter Module: 9.0 to 16.0 VDC, .55A typical at 13.8V XMIT Battery: 6.6 to 9.0 VDC, .7A typ at 13.8V XMIT .04A standby Battery Capacity: 1.5 Amp-Hour Typical non-continuous battery life with 1.5 Amp-Hour battery is 4 to 12 hours depending upon actual transmit time
Environmental:	-30 to +70 C, 90% Relative Humidity Operating -40 to +85 C, non-operating
Mechanical:	Weight - 3lbs 3oz including handle Height - 9.25 inches including handle Length - 10.2 inches Width - 3.5 inches Case - High Impact Polycarbonate Gun shaped - with detachable handle
Accuracy:	+ 1, - 2 mph stationary, ± 2 mph moving + 2, - 3 kmh stationary, ± 3 kmh moving
Stationary Speed Range:	12mph to 200mph Standard 2 mph to 200 mph Optional
Moving Speed Range:	Patrol Speed - Selectable from keyboard 5 mph to 70 mph 20 mph to 70 mph Target Speed - For 5 mph Patrol Speed: 20 mph to 195mph. For 70 mph Patrol Speed: 35 mph to 130 mph. Maximum closing speed is 200 mph Fastest Speed - Same as Target Speed
Display:	Triple 3-digit Back-Lighted LCD (Target speed, Lock/Fast speed, and Patrol speed*) plus Mode and Test indicators and speaker volume symbol
Fastest Display:	Shows speed of the fastest target when a stronger slower target is present

MICROWAVE SPECIFICATIONS

Antenna:	Built-in Dual Rectangular Horn
Polarization:	Vertical
3 db Beamwidth:	9degrees nominal
Microwave Source:	Gunn-Effect diode
Receiver Type:	Direct Conversion Homodyne using low-noise Schottky barrier mixer diode
Power Output:	10 mw minimum 25 mw nominal 50 mw maximum
Power Density:	2 mw/cm ² maximum at 5 inches from lens

SYSTEM FUNCTIONS

PWR:	Toggles main power ON and Off when pressed
SEn: (Range Select)	The SEn key may be used to adjust the range at any time. Max range is SEn 4 and min range is SEn 1. SEn 0 (Michigan only) is zero range
*SEn: (Patrol Speed Select)	The SEn key may be used to select a Patrol Speed Threshold of either 5 mph or 20 mph. For example: SEn 4 20 is maximum range with a Patrol Speed Threshold of 20 mph and SEn 4 5 is max range with a Patrol Speed Threshold of 5 mph
LOCK/REL:	Causes the contents of the Target Window to be transferred to the Lock Window (replacing any fastest target speed), and the Patrol Window locks present patrol speed*. Target Window and Doppler audio remain active after lock. This function may also be performed by the trigger. Michigan units don't lock patrol speed
XMIT/HOLD: 	Toggles between xmit and hold (standby). This function may also be performed by the trigger. The  key may be used to adjust the volume of the Doppler audio up and down
*STA/MVG:	Toggles between stationary and moving operating modes
TEST: 	Performs a complete self-test including verification of crystal accuracy. A speed of 40 will be displayed along with TEST to indicate successful completion The  key toggles the LCD backlighting on and off when pressed
SQL:	Toggles the squelch override off and on when pressed. In the normal (off) position, audio will only be heard when a target is being tracked.
Trigger:	The trigger performs a dual function. If transmit mode has been selected by the keyboard key, then the trigger performs the LOCK/REL function. If hold has been selected by the keyboard, then the trigger performs the XMIT/HOLD function, transmitting when the trigger is pressed and switching to hold when the trigger is released. While transmitting, the XMIT indicator will be on.
BAT Indicator:	Begins flashing when Battery voltage falls to 6.6 volts (7.7volts when using the corded handle), warning that the battery is getting weak. Changes to a Flashing BAT FAIL when the battery voltage falls to 6.1 volts (7.4volts when using the corded handle) indicating a discharged battery. Operation is inhibited when BAT FAIL is detected.
RFI Indicator:	Indicates the presence of an interfering signal. Operation is inhibited during a RFI indication

*These functions do not operate in "STATIONARY ONLY" STALKERS
Specifications subject to change without notice

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