# **GENESIS-VP DIRECTIONAL**



# Handheld, Cordless, Directional Radar

Direction selectivity has always been a feature of moving radar. As you know, in moving-mode (opposite-direction), the radar only shows the speed of on-coming traffic. Similarly, same-direction moving-mode only shows vehicles travelling in the same direction as the patrol car. **Now, Decatur expands this direction selectivity to stationary radar.** 

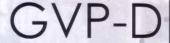
Unlike previous handguns, the operator can selectively monitor traffic coming toward, moving away, or both directions simultaneously!

- When in "directional" mode, vehicles moving toward you are indicated with a "t," vehicles moving away from you with an "A."
- Directionality dramatically enhances the target selection process. If the radar is set to "towards" mode, it will only track vehicles coming towards the radar. All vehicles going "away" are ignored!!
- In heavy traffic situations, the operator can choose to make traffic moving in one direction "invisible" to the radar, thereby concentrating on the most problematic lane.

- In other radars, "same direction" capability is added to the software to give the operator capability to read traffic moving in either direction while in moving mode.
- The GVP **DIRECTIONAL** gives the operator the option to easily select and focus on vehicles going away from or coming toward him/her from a single, stationary patrol position.
- Of course, the faster target feature is also available and may be used simultaneously with directionality. The radar will identify the strongest target, and the next strongest target which is also going faster than the original target.



Certified ISO 9001



# GENESIS-VPTM DIRECTIONAL K-BAND

## TECHNICAL SPECIFICATIONS

#### ANTENNA PARAMETERS

K-Band.

**IACP Type** 

Nominal Transmission Frequency Nominal Horizontal Beamwidth

Polarization

Nominal Microwave Power Output

Maximum Aperture Power Density

Environment

**Ambient Operating Temperatures** 

Maximum Humidity Water Resistance

VOLTAGES

Supply Voltage

Low Voltage Threshold

SPEED RANGE PARAMETERS

<u>Speed Display Ranges</u> Target: mph Option

kph Option

POWER CONSUMPTION PARAMETERS

Supply Voltage Rating

Standby (antenna off)

Antenna ON (no targets displayed) Antenna ON ("55" target displayed)

Antenna OFF (segment check "888 888") Antenna ON (segment check "888 888") 111

24.150 ±50 GHz

12°

Circular

10 mW

Less than 1 mW/cm<sup>2</sup>

-30°C to +70°C

-22°F to +158°F

90% relative humidity at 37°C (non-condensing)

Meets International Robustness Standard IEC 529:1989 and European Community Standard EN 60529 Classification IP55. These set international standards for immunity from damage by solid protrusions and water.

5.5 VDC — 8 VDC

Power supplied from replacable Ni-Cad batteries

5.5 VDC

Minimum

Maximum

2

200

3

6.6 to 8 VDC

All currents measured at 7.2 VDC with back-light ON.

.180 Amperes

.370 Amperes

.440 Amperes

.180 Amperes

.370 Amperes

## **FEATURES**

- Police hand held radar unit for K-band operation.
- Directional Capability.
- VersaPak™ Battery System.
- Two 3-digit display windows and icon indicators with back light.
- 5 button rubber keypad with back light.
- Non-locking trigger switch.
- Radio Frequency Interference (RFI), Low Voltage, & Error Condition Detectors.
- Adjustable Audio/Squelch and Sensitivity control.
- · Back Light control.
- RS232 Serial Communication.
- · Flash Memory.
- · Track Through Lock.
- · Speed Units: MPH or KPH.
- Standard Speed Range, 5-200 MPH, 8-320 KPH
- Two second data hold time.
- Automatic Power Down after 30 idle minutes.

### **OPTIONS**

- · Periodic Self Test.
- · Fast Target Track.
- Low Speed Filter for speeds as low as 2 MPH, 4 KPH.
- · Continuous Transmit.
- · Trigger Release Lock.
- RS232 Sign protocols.



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