

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

GVP-D

GENESIS-VP™ DIRECTIONAL K-BAND

TECHNICAL SPECIFICATIONS

ANTENNA PARAMETERS

K-Band	III
IACP Type	24.150 ±50 GHz
Nominal Transmission Frequency	12°
Nominal Horizontal Beamwidth	Circular
Polarization	10 mW
Nominal Microwave Power Output	Less than 1 mW/cm ²
Maximum Aperture Power Density	
Environment	
Ambient Operating Temperatures	-30°C to +70°C -22°F to +158°F
Maximum Humidity	90% relative humidity at 37°C (non-condensing)
Water Resistance	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.



VOLTAGES

Supply Voltage	5.5 VDC — 8 VDC
Low Voltage Threshold	Power supplied from replaceable Ni-Cad batteries 5.5 VDC

SPEED RANGE PARAMETERS

Speed Display Ranges	Minimum	Maximum
Target: mph Option	5	200
kph Option	8	320

POWER CONSUMPTION PARAMETERS

Supply Voltage Rating	6.6 to 8 VDC
	All currents measured at 7.2 VDC with back-light ON.
Standby (antenna off)	.180 Amperes
Antenna ON (no targets displayed)	.370 Amperes
Antenna ON ("55" target displayed)	.440 Amperes
Antenna OFF (segment check "888 888")	.180 Amperes
Antenna ON (segment check "888 888")	.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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