



Technical Specs Sheet

General Specifications	
Type	Dash-mounted, single or dual directional antenna, moving/stationary Doppler Radar.
Accuracy	100% accurate with a display resolution of +/-1 unit of measure (+/-1 mph, +/-1 km/h)
Ambient Operating Temperature	-22°F to 158°F (-30°C to +70°C)
Available Frequency	Ka-Band 35.5 GHz nominal
Communications	RS232, DB-9 serial connector, COPS serial output option.
Controls	All functions controlled through wireless remote.
Display	High Intensity amber LEDs with 3 windows for displaying target speeds, locked speeds and patrol speeds. Special illuminated icons for indicating operating modes and antenna selection.
Features	32-bit floating-point DSP (digital signal processor). Digital antenna communication. Internal and user initiated self-tests.
Finish	Black, scratch resistant powder coat paint.
Frame	Durable extruded aluminum housing.
Maximum Humidity	90% relative humidity @ +98.6°F (+37°C)
Power	12 VDC nominal
Speed Range - Stationary	12 mph -210 mph (19 km/h -337 km/h)
Speed Range – Moving	10 mph -210 mph 16 km/h -337 km/h) Depending upon mode. Refer to Speed Range details
Standard Warranty	Three-years parts & labor
Weight	0.86 lbs(0.39 kg) Display & Computer

Display Mechanical	
Display	Detachable display with integrated speaker
Dimensions	1.45”(H)x5.25”(W)x0.7”(D) (3.68cmx13.33cmx1.8cm)
Weight	3.8 oz (0.1kg)

Computer – Mechanical	
Dimensions	1.45” (H) x 5.25” (W) x 2.5” (D) (3.68cm x 13.33cm x 6.35cm)
Weight	9.9 oz. (0.45kg)

Computer – Electrical	
Power Requirements	+10.8VDCto+16.5VDC(+13.6 nominal)
Low Voltage Shutdown	+10.8VDCwithvisualindicator
Minimum Current Draw	0.17Amperes (Antenna off)
Maximum Current Draw	0.6Amperes (All segments lit)
Fusing	Internal, resetable and external 2A (in lighter plug)
Power Cable	Shielded3 conductor cable with mini-circular connector.

Computer Speed Ranges	
Stationary Mode	12mph-210mph (19 km/h -337km/h)
Stationary Mode Low Speed Option	2mph-210mph (4 km/h -337km/h)
Moving Mode Opposite Direction – Patrol	5-100mph (with no targets) (8 km/h -161km/h)
Moving Mode Opposite Direction – Targe	10mph-closure210mph (16km/h-closure337km/h)
Moving Mode Same Direction – Patrol	20mph-100mph (32 km/h -160km/h)
Moving Mode Same Direction – Target (Slower or Faster)	From the user’s selected minimum speed separation up to 75% of the patrol speed

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Hand Remote – Mechanical	
Features	10button back-lit keypad, injection molded housing. Dual IR emitter.
Dimensions	4.56" (H) x 1.56" (W) x 1.12" (D) 11.58cm x 3.96cm x 2.84cm)
Weight	2.65 oz (0.075kg)
Ka-Band Directional Antenna with integrated A/D converter	
IACP Type	VI
FCC Identifier	HTRKA3
Frequency	35.5 GHz nominal
Beam Width	12° nominal
Polarization	Circular
Power Density	< 2mW/cm <sup>2</sup>
Power Output	15 mW nominal
Antenna Digital Output Date	Digitized Doppler Serial Stream
Antenna Cable	Double Shielded CAT 7 High-speed Ethernet
Dimensions	2.85"(L)x3.8"(W) (7.24cmx 9.65cm)
Weight	9.25 oz (0.25kg)

Tuning Forks	
MPH Ka-band	35.2 & 50.6 mph K-band tuning forks with case (S900-22)
KM/H Ka-band	60.2 & 90.6 km/h tuning forks with case (S900-27)

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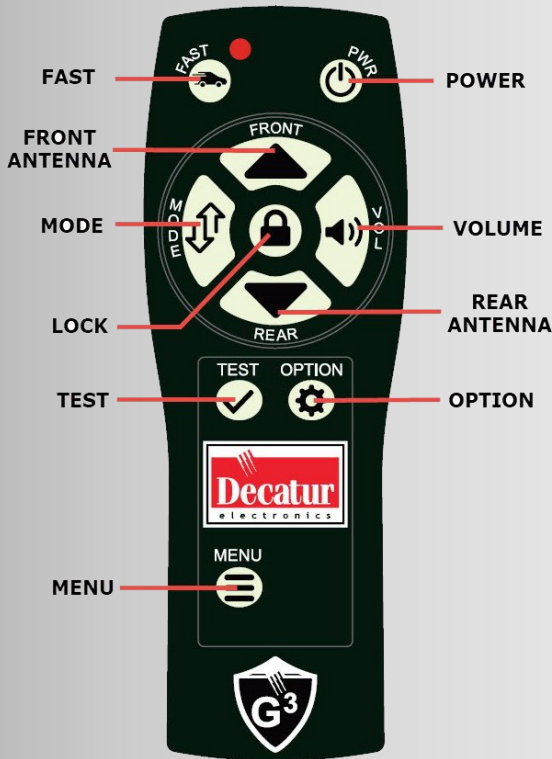
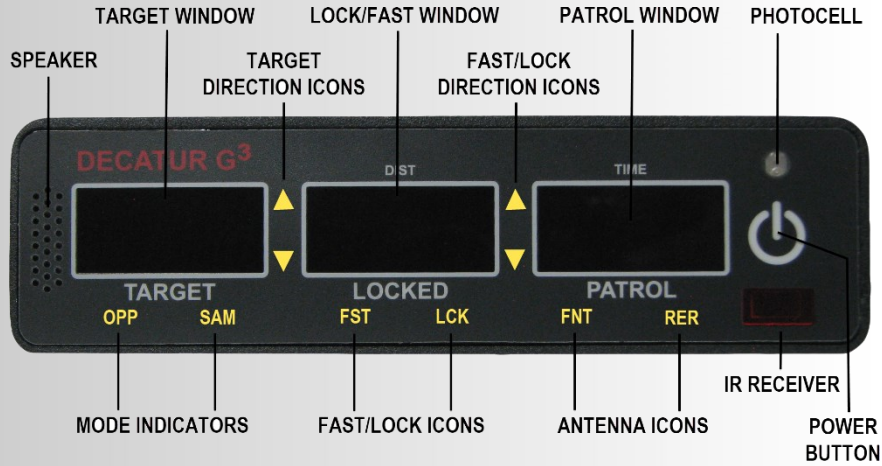
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