



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) x 5.25”(W) x 0.7”(D) (3.68cm x 13.33cm x 1.8cm).
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	+10.8 VDC to +16.5 VDC (+13.6 nominal).
Low Voltage Shutdown	+10.8 VDC with visual indicator.
Minimum Current Draw	0.17 Amperes (Antenna off).
Maximum Current Draw	0.6 Amperes (All segments lit).
Fusing	Internal, resetable and external 2A (in lighter plug).
Power Cable	Shielded 3-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 – Targett	10mph – closure 210mph (16km/h – closure 337km/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	10 button 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) x 3.8"(W) (7.24cm x 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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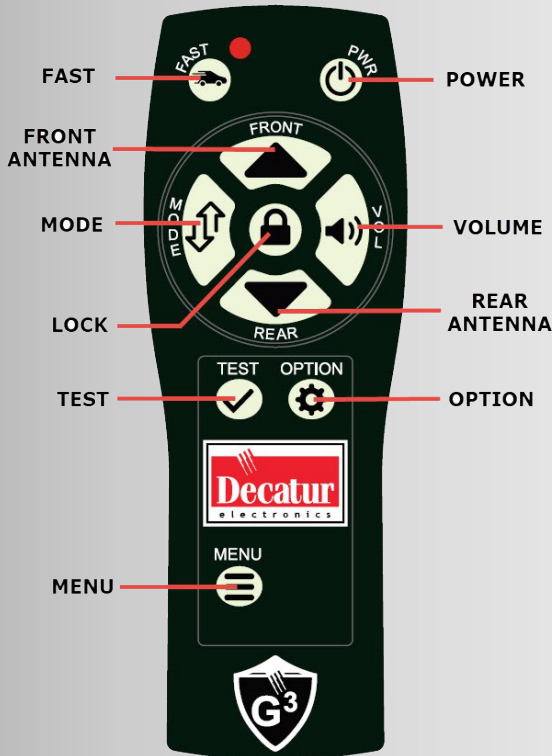
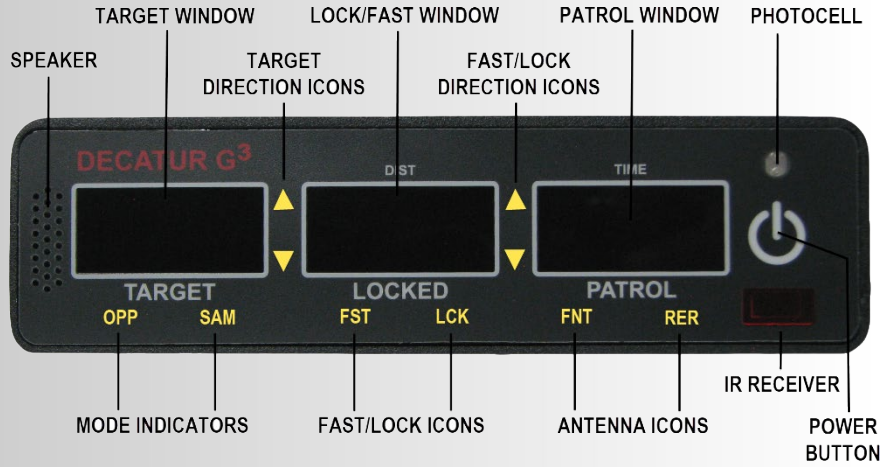
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