

Technical Specifications

GHD & Scout™
Handheld Traffic Radars
Revision Date 3-29-12



Our contacts:
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www.decaturelectronics.co.uk
at Littlewood Hire
Meltham Lane
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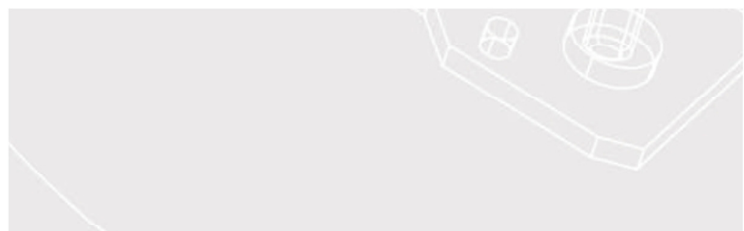
| General - GHD & Scout | |
|-------------------------------|--|
| Type | Stationary hand held directional Doppler radar |
| Accuracy | ± 1 unit of measure (± 1 mph, ± 1 km/h) |
| Ambient Operating Temperature | -22°F to +158°F (-30°C to +70°C) |
| Audio | Eight (8) audio levels |
| Communications | RS232 |
| Controls | Rubber keypad with Menu, Test, Power, Fast and Select buttons. Trigger switch |
| Display | LCD with backlight |
| Display LCD | Displays target and locked target speeds along with all menu options and message icons |
| Features | DSP, 32 bit processing. User selectable direction modes (towards, away, or both directions), faster target selection |
| Frame | Housing is a rugged ABS Polycarbonate Blend |
| Maximum Humidity | 90% relative humidity @ +98.6°F (+37°C) |
| Power - GHD | +12VDC nominal via power cable with lighter plug. |
| Power - Scout | Scout - Six (6) AA NiMH batteries or detachable +12 VDC power cable with lighter plug |
| Speed Measurements | mph or km/h |
| Speed Range | 12 - 210 mph (20 - 337 km/h) |
| Standard Warranty | 2 years parts & labor |
| Water Resistance | Meets International Robustness Standard IEC 529:1989 and European Community Standard EN60529 Classification IP55 |

| Mechanical - GHD | |
|------------------|---|
| Dimensions | 8" (H) x 3" (W) x 7.25" (L) (20.32 cm x 7.62 cm x 18.415 cm) |
| Weight | 1.8 lbs (0.816 kg) with batteries |

| Mechanical - Scout | |
|--------------------|--|
| Dimensions | 10.25" (H) x 3" (W) x 7.25" (L) (26.305 cm x 7.62 cm x 18.415 cm) |
| Weight | 2.1 lbs (0.952 kg) with batteries |

| Electrical - GHD Power | |
|------------------------|-----------------------|
| Power Requirements | +8.5 VDC to +16.5 VDC |
| Low Voltage Shutdown | 8.5 VDC |

| Electrical - Scout Power | |
|---------------------------------|--|
| Battery Requirements | Six (6) AA Nickel-Metal-Hydrate (NiMH) rechargeable batteries (User replaceable) |
| Battery Voltage Range | +6.1 VDC to +7.2 VDC |
| Battery Low Voltage Shutdown | +6.1 VDC |
| Detachable Power Cord | Plugs into the cigar lighter receptacle of the vehicle |
| Power Cord Voltage Range | +8.5 VDC to +16.5 VDC |
| Power Cord Low Voltage Shutdown | + 8.5 VDC |





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Electrical - Power Consumption Parameters - GHD & Scout
(All currents measured at 7.2 VDC with backlight on and volume level set at 3)

| | |
|--------------------------------------|--------------|
| Standby (antenna off) | 0.105 ampres |
| Antenna ON (no targets) | 0.170 ampres |
| Antenna ON (with targets) | 0.172 ampres |
| Antenna OFF (segment check "888") | 0.116 ampres |
| Antenna ON (segment check "888") | 0.180 ampres |

Microwave - GHD & Scout

| | |
|----------------|-----------------------------|
| IACP Type | III |
| FCC Identifier | HTRCR-1KD |
| Frequency | 24.150 GHz nominal (K-band) |
| Beam Width | 12° nominal |
| Polarization | Linear |
| Power Density | $\leq 1 \text{ mW/cm}^2$ |
| Power Output | 7 mW nominal |

