

Specification

SPEEDAR is a hand-held speed and direction measuring Doppler radar, with large backlit 128x64 dot graphic display. Capable of measuring speeds in Miles or Kilometers per Hour and displaying system messages in any language

Electrical

Operating frequency	24.1GHz \pm 25 MHz
Power output	5 mW
Power density	< 0.3mW/cm ²
Beamwidth (-3dB)	12°
Sidelobes	> 22 dB down on main lobe
Front to back ratio	> 40dB
Speed measuring range	20-120 MPH, 150 MPH at reduced sensitivity 30-190 km/h, 240 km/h at reduced sensitivity
Accuracy	\pm 1 digit
Range	500 Metres dependent on target

Environmental

Storage	-25°C + 70°C
Use	-10°C + 40°C
Housing	Extruded aluminium case, black powder coated finish Rubber handle with Lanyard fixing point
Power source ity, 6 hours	Standard Ericsson mobile phone Ni MH battery 1.2Ah capac- removable for charging, 2 supplied each sufficient for typical use without recharging

Operating

Microcomputer controlled with built in time and date facility
Storage for operator input speed limit
Large rounded numerals 30mm high clearly show speeds and cannot give erroneous readings caused by segment failure in conventional 7 segment displays
Speed readings may be locked and when locked the time of locking and the direction of the target are also displayed
Low battery and RF interference warnings appear on the display as appropriate
Ability to output speed readings and time and date via RS232 link

Supplied with tuning fork, 2 batteries, charger, carrying case and calibration certificate

The carrying case supplied as standard will now fit in a motorcycle pannier