



DATASHEET

DQ53



Description

The DQ53 is a compact & lightweight cellular GPS tracking device with built-in antennas. The low-profile IP67 waterproof housing enables easy placement to monitor boats, vehicles, trailers or other assets without power, where long battery life & reliable tracking performance is required.

Operating in ultra-low power mode provides a battery life of 1 year with normal tracking, and up to 4 years with just 1 daily location. Using GPS & Glonass systems together provides fast, accurate location fixes, while a low-noise amplifier improves tracking sensitivity to ensure operation even in low cellular signal areas.

Our roaming Data SIM card will keep you connected to most networks globally, with 2 or more carriers in each country for maximum coverage. Communications with the device are two-way, allowing the DQ53's logging and update rates to be changed 'Over-The-Air' or remotely configured for special applications.

The DQ53 uses 3 x standard 'AA' Lithium batteries for easy end-user replacement.

Applications

- Boats without power, Ribs, Tenders
- Vehicles, Caravans, RV/trailers
- Agricultural equipment
- Generators & industrial plant
- Temporary asset monitoring

Technical features

- High sensitivity GPS gives fast and accurate positions using GPS and GLONASS
- Long battery life (1 to 4 years)
- Two-way communication allows settings and updates to be changed 'over-the-air'
- Low-noise GPS amplifier for tracking in hard-to-reach areas such as container stacks, 'urban canyons' or forested areas
- Adaptive tracking automatically adjusts the rate of updates to preserve battery life
- Robust IP67 housing with screw fixing lugs



DQ53 SPECIFICATION

Dimensions	100mm x 65mm x 19mm
Weight	160 grams with batteries
Battery type	3 x Lithium 'AA' cells
Battery life	Typically 1 to 4 years with Adaptive Tracking @ one position per day. Auto 'low batt' alert
Operating Temperature	-30°C to +70°C
Humidity	IP67 rated waterproof
Operating time	Up to 4 years if transmitting 1 position per day
Antenna	Internal GPS and cellular antennas
Vibration sensor	3-axis accelerometer for motion detect & sleep function
Memory	Flash memory with capacity to store over 25,000 records
GSM Frequency	Quad Band GSM/GPRS 2G/3G 850 / 900 / 1800 / 1900 MHz
GPS Module	UBLOX MAX8 72 CH high sensitivity assisted GPS receiver
Positioning System	Uses GPS and GLONASS positioning systems simultaneously

For more information, contact:

Duotraq Ltd

www.duotraq.com

T: +44 (0) 203 384 4243

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