GC-01

Guard Patrol Data Acquisition Reader

DigiTool®
Digital Data acquisition

Rosslare's DigiTool® GC-01 reader is part of Rosslare's DigiTool® guard patrol system encompassing a complete range of professional, leading-edge, high-quality, high-performance products for private and public sectors. Designed for the rigors of guarding, this reader is an advanced waterproof, lightweight, and rechargeable handheld reader for metallic numeric Dallas iButton™ chips. The DigiTool® GC-01 packs features such as a large memory, extended rechargeable battery life for ultimate guarding on the go, and rugged housing.

GENERAL DESCRIPTION

Rosslare's DigiTool® GC-01 reader is designed with a focus on high quality and reliability. It is a lightweight hand-held iButton reader intended for trouble free Guard Patrol Touring applications.

The DigiTool® GC-01 reader collects raw data of guard usage, tours, location tags, user, and event tags. It has three modes of notification for providing confirmation of tag data acquisition. Raw data is downloaded to either the GS-01 Reports Lite software or the GS-02 advanced DigiTool® Call Center management PC software, which provide tour management and archival features of the guard patrol system. The software is used to generate reports and analyze data.

The DigiTool® GC-01 reader has an internal 1800 mAh Lithium-ion rechargeable battery, which can provide over 300,000 reads or 6 months of use before recharging. When used with the GA-06 leather holster, the DigiTool® GC-01 reader can be worn on a belt for convenient transportation.

MAIN FEATURES

- Low battery and memory full alerts by means of vibration, visual, and audio beeps

- Three modes of notification:
  - Built-in 360° LED array for increased visibility of valid iButton reads
  - Built-in vibrating motor for tactile read confirmation
  - Built-in buzzer for audio read confirmation
- High capacity rechargeable internal 1800 mAh Lithium-ion battery
- Highly-rugged and waterproof (meets IP-68 level tests)
- 9600 baud speed uploading/ downloading speed

PROFESSIONAL GRADE FEATURES

- Flexibility with the option to select models with Dallas iButton ID chip (GA-01/AT-32B)
- Tamper evident seals
- Polycarbonate and carbon-hardened stainless steel casing, ensuring its light-weight, portability, and durability
- High capacity, can hold 8,000 events in non-volatile memory

ROSSLARE
SECURITY PRODUCTS

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

▪	Operating Voltage Range	3.0–3.6 VDC
▪	Input Current, Max.	Standby: 6 µA; Maximum: 21 µA

OPERATIONAL SPECIFICATIONS

▪	Uploading/Downloading Speed	9600 baud speed
▪	Time and Date Stamp Memory	Real time clock inside saves date and time Internal Clock Synchronizes with the PC time
▪	Number of Reads	Stores up to 8000 reads and time stamps
▪	Battery	Internal Lithium-Ion 1800 mAh rechargeable battery for six month use or 300,000 readings
▪	Battery Charging Time	Battery charges in three hours from empty to full
▪	Buzzer Sounder Indication	Internal sounder for audio verification
▪	LED Indication	Four ultra-bright LEDs visual read validation 360 Degree LED viewing angle light-pipe
▪	Data Read Speed	0.1 seconds per read
▪	International Safety and EMC	Complies with International Safety and Emissions Regulations

ENVIRONMENTAL SPECIFICATIONS

▪	Operating Temperature	-31°C to 63°C (-25°F to 145°F)
▪	Operating Humidity	0 to 95% (non-condensing)
▪	Operating Environment	Suitable for outdoor use (IP68 rated)

PHYSICAL SPECIFICATIONS

▪	Dimensions (H x Diameter)	175 x 33 mm (6.9 x 1.3 in.)
▪	Weight	225 g (0.5 lb)
▪	Construction materials	Polycarbonate and stainless steel housing

SYSTEM COMPONENTS	This product integrates with other DigiTool® family of Guard Patrol products: ▪ GC-02 Data Acquisition Reader Base ▪ GC-03 Data Acquisition Reader Charger ▪ GC-50 Communicator Station ▪ GA-01 Location tag, available in several colors ▪ GA-02 Event Wallet ▪ GA-12 Digital Event Wallet ▪ AT-32B Guard personal tag
GUARD PATROL KITS	GCK-01 – DigiTool® Starter Kit GCK-02 – DigiTool® Basic Remote Kit GCK-03 – DigiTool® Guard Patrol Upgrade Kit GCK-04 – DigiTool® Guard Patrol Basic Kit
PRODUCT WARRANTY	2-Year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., has been manufacturing high-quality security products since 1980. The company's three main lines – Access Control, Intrusion Detection and Guard Patrol – together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

www.rosslaresecurity.com

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