Proxipen

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GCS® is a market leading manufacturer of universal data collection systems which can be used to provide an unfalsifiable record of services which must be performed at predetermined times and places. All GCS equipment has been designed and tested to stand up to use (and abuse) in the harshest conditions.

In today's fast changing information society, not only large corporations, but also small companies increasingly require modern data collection and auto-ID systems. To meet these high demands, GCS have developed a new data collection unit, 'ProxiPen'. ProxiPen reads approved radio frequency (RFID) tags and other transponders automatically and can fully satisfy the data collection needs of both commercial and industrial applications.

Data Collection Unit ProxiPen

GCS ProxiPen is compact, lightweight and easy to handle because it recognises approved RFID tags and other transponders automatically without any operating elements on the reader. The electronics of ProxiPen are potted in a shock resistant polycarbonate housing, making the reader completely splash proof and resistant against heat, shocks and hydrocarbons. The low power consumption of the electronic circuit requires only one size AA commercial alkaline, lithium or rechargeable battery, which can be replaced without any special tools. ProxiPen has an extremely high memory capacity and can be used for long periods in the field without the need for intermediate readouts.

Applications

- Guarding
- Maintenance
- Recording of service activities
- Cleaning
- Attendance

GCS
Guard Control Systems

Proxipen

THE NEW COMPACT READER FOR PROXIMITY TAGS

How it Works - ProxiPen has a built in sensor that recognises approved RFID tags. When the reading head of ProxiPen is brought within the reading distance of a transponder, the unique code stored in the tag is read automatically and without contact. Control points, incidents, personnel, equipment, inventory or activities can be assigned to a RFID tag. A visual and an acoustic signal confirm that the data has been read correctly. Firmware is upgradeable through authorised GCS distributors.

Easy working - GCS TG-PATROL 'plug and play' communication and evaluation software is easy to use and requires only basic knowledge of Windows to set up ProxiPen, create master files and evaluate collected data. The report generator provides a comprehensive evaluation report telling who did what, where and when. TG-PATROL software is included with each ProxiPen Kit.

Technical Data

Dimension:	7.48"L x 1.26"W x 0.98"H (L190 X W32 X H25 mm)
Weight:	4.93oz (140g)
Temperature range:	-4F to +158F (-20°C to +70°C)
Internal Protection Grade:	IP67
Mechanical Shock Resistance:	Free fall from 5 feet (1.5m) on concrete
TAG frequency:	125 kHz
Read Range:	Without contact from 0.12" to 0.71" (3-18mm) depending on transponder. Reads through wood, glass, etc.
Approved Tags:	Sokymat World TAG Unique dia 1.81" (30mm), Sokymat World TAG NOVA brick 0.2" (3mm), Sokymat World TAG NOVA dia, 0.79", 1.81", 1.97" (20-50mm used with GCS® Proxi-Escorte), Protag
Memory capacity:	Up to 4063 readings
Time resolution:	1 minute
Data transfer:	By RFID 2400 to 57600 Baud
Download time:	Approx. 1 min (full memory)
Housing:	Polycarbonate
Potting material:	Silicon or equivalent
Power supply:	One AA cell 1.5v
Approved cells:	Duracell Ultra, Energiser HI Energy lithium, Sanyo Twicell 1600 NiMH Rechargeable
Time permitted for battery change:	3 min. max
Battery life in stand by mode:	Approx. 1 year
Number of readings with one approved alkaline battery:	Up to 50,000
EMC:	EN 55022, EN 61000-4-3, EN 61000 4-2
Accessories:	Leather holster with belt clip