# ProxiPen Compact Reader for Proximity Tags

GCS-3200



GCS® is a market leading manufacturer of 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 high performance 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

The 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.

# ProxiPen Compact Reader for Proximity Tags

## GCS-3200

Proxipen Data Collection Unit
The Proxipen is rugged and easy to use. The Proxipen automatically detects a transponder (tag). When reading a tag, the code, date and time of reading are stored in the unit. The memory capacity is 4,063 readings. Batteries can be replaced without using special tools

## How it Works

ProxiPen has a built-in sensor that recognises approved RFID tags. When the reading head of the 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.

## Technical Data

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| Dimensions | 6.5"L x 1.26"W x 0.98"H (L165 X W32 X H25 mm) |
| Weight | 4.94oz (142g) |
| 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 Tag | Sokymat World TAG Unique dia1.81"(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 |