



Pre-release technical information

Cost effective solution providing GPS capability for census data collection

A significant number of countries use enumerators to collect data from each housing unit during a census. During any census exercise, enumerators complete details about the physical location of where they collect the data. These details typically include quantitative data such as enumeration district and housing unit number.

DRS Cense is a simple GPS device that displays latitude and longitude to better than 5m accuracy. This can be transcribed quickly and easily onto any census form for later capture.

DRS forms are accredited by ISO 9001:2000.

Using DRS Cense, latitude and longitude co-ordinates are associated with collected census data, providing a low cost and robust way of associating data geographically within any GIS software system.

Please note DRS products and services are subject to change without prior notice and that the information provided is for guidance only. DRS equipment complies with all current regulations. All trademarks acknowledged.

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Outline specifications

- Dimensions 87 x 70 x 26mm
- Light weight (115g with batteries)

Features

- Displays latitude and longitude in decimal degrees
- Simple to use with single on/off button
- Accuracy better than 5m
- Operation temperature range is 0 to +40 deg C.
- Storage -10 to +40 deg C.
- Warm start / time to first fix <5 seconds
- Crystal clear LCD display
- Uses 3 x AAA commonly available batteries
- Battery status indicator
- Battery life 15 hours continuous (with Duracell™ batteries)
- Satellite lock indicator
- Robust splash proof case

Benefits

- No user training required
- Does not require technical support or software installation
- More cost effective than PDA and consumer GPS units
- Can be used to confirm start location for each enumerator
- Help ensure enumerator goes to correct position on EA map
- Enumerator captured GPS data can be used as a reference point for future Census activities
- Information associated with GPS positions has greater benefit to other government departments such as disaster planning