DATA COLLECTOR
INTERFACE WIRELESS SENSORS AND SOFTWARE

KEY FEATURES:

- Self–healing network
- Automatic data collection and insertion into Sensit Interface Software
- Bidirectional communication with all components of the wireless mesh network
- Ethernet or GPRS communication
- Back up functionality

Data Collector

The Data Collector is the interface between the vehicle detection sensors, the Relay Node and the SENSIT software. The Data Collector collects actual status data from the individual sensors via the Relay Node through the wireless mesh network.
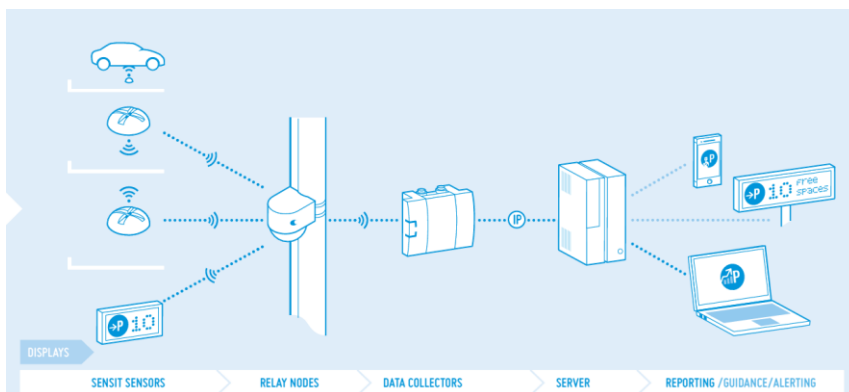
Automatic data collection

Offering a variety of communication options, the Data Collector automatically inserts all the collected data in the database. Integration with parking guidance, traffic guidance and enforcement systems can be realized on server level.

Bidirectional communication

The Data Collector allows you to operate, maintain or configure the equipment in the wireless mesh network using bidirectional communication with the systems components.

Back up functionality

The Data Collector is featured with back up battery to ensure the wireless mesh network will remain operational even in case of power failure. Additionally the Data Collector can be connected to the power source of a lamppost or solar power panel.

| SENSIT SENSORS | RELAY NODES | DATA COLLECTORS | SERVER | REPORTING /GUIDANCE/ALERTING |

SPECIFICATIONS

PRODUCT INFORMATION	DATA COLLECTOR IP65 GPRS	DATA COLLECTOR
Product		
Operating frequency	868 MHz (Europe) 902–928 MHZ (US) 915–920 MHz (AU)	
Dimensions housing LxWxH	250 x 90 x 250 mm [9.9 x 3.5 x 9.9 in] excluding pole mount	125 x110 x 65 mm [4.9 x 4.3 x 2.6 in] excluding antenna
Weight	2200 gram [77 oz]	105 gram [3.7 oz]
Protection	IP65	IP44
Colour	Aluminium & dark blue side covers RAL5011	Grey, according to RAL 7035
Operating temperature	−30°C … +65°C [−22°F …+149°F]	0°C … +55°C [32°F …+ 85°F]
Storage temperature	−30°C … +65°C [−22°F …+149°F]	−20°C … +65°C [−4°F …+149°F]
Communication range	From SENSIT Node to Data Collector the sensors communicate to each other. The nearest node should be positioned within 25 meters [82 ft] of the Data Collector. It is possible to install multiple Data Collectors in one parking facility.	
Communication interfaces	GPRS	RJ–45, TCP/IP or SUB–D9, RS232
Power	100–240Vac, 50–60 Hz, 15VAC	Adapter: 100–240Vac, 50–60 Hz, 15VAC
Antenna connection	Antennas included	Antenna included
Part numbers	**Data Collector IP65 GPRS** 9966480 Data Collector IP65 GPRS EU 9966498 Data Collector IP65 GPRS US 9966501 Data Collector IP65 GPRS AU	**Data Collector** 9889582 Data Collector EU 9898590 Data Collector US 9965998 Data Collector AU

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