

EMERIS 9900 hand-held collector

Specification Sheet



As part of the most advanced AMR solutions, Elster brings customers the most sophisticated hand-held collectors, making meter reading more efficient and cost effective.

The Emeris 9900 is a self-contained AMR terminal with integrated radio card and loaded with advanced hardware and software technologies.

Routes can be up/downloaded remotely via GPRS (mobile phone network) using a SIM card^{1,2}. This way, meter readers do not need to go back to the office before and/or after the reading assignments.

Routes can also be read faster via the group polling. Even further, group polling can be aided by the integrated GPS, making it even more efficient^{1,2}.

Other tasks such as visual reads, configuration of radio modules, monitoring and reset of alarms, can also be done via the user-friendly interface.

Key features and benefits

- Cost-effective hand-held platform
- Fully integrated unit making extra modules and related batteries unnecessary
- Remote up/download of reading routes via GPRS^{1,2}
- More than 40,000 can be stored in each unit
- Fast route reading via group polling
- Faster route reading via GPS-aided polling^{1,2}
- Rugged, lightweight unit with a portable, ergonomic design
- Includes software tools for programming of all Elster radio modules
- External antenna ensures best radio range
- Maintenance plans available²
- Long battery life (12 hours typical)
- Batteries can be charged via cradle (up to two batteries) and car charger

Specification



The Emeris 9900 Collector uses the most up-to-date hardware, software and technology available to make meter reading easy for meter readers and more efficient and cost effective for utilities.

Terminal type

Mobile hand-held computer for AMR applications

System Architecture

Processor:	Intel® XScale PXA270 624 MHz
Operating Platform:	Windows Mobile 6.0
Memory:	256MB RAM X 1GB Flash

Data Inputs

Imager/Scanner:	5100 Smart Focus (SF) with green aimer
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Data Outputs

Display:	3.5 in. 1/4 VGA (240 x 320 portrait mode) color TFT LCD display with industrial-grade, polycarbonate touch panel
I/O Ports:	Industrial I/O connector supports USB 1.1 and serial RS-232 (115 Kbps) communication and charges via cradles, AC adapter cables, integrated IrDA port
Mass Storage:	User-accessible Secure Digital memory interface supports memory cards up to 4GB and SDIO

Wireless communications Options

RF:	Wavenis® 433/868/915Mhz ISM band
WWAN:	GSM Quad-band (850/900/1800/1900MHz) radio with accessible SIM card interface, GSM release 99, EDGE (E-GPRS) multi-slot class 10, GPRS multi-slot class 12
WLAN:	IEEE 802.11b/g
WPAN:	Bluetooth (Class 2)
GPS:	Integrated GPS (Global Positioning System) receiver with internal antenna supporting SiRFstarIII technology

Physical

Dimensions:	W 8.6 cm (3.4 in) x L 24 cm (9.6 in) x D 5.3 cm (2.1 in)
Weight:	606g (21.4 oz)
Operating Temperature:	-10°C to 50°C (14° to 122°F)
Storage Temperature:	-20° to 70°C (-4° to 158°F)
Humidity:	95% humidity, non-condensing
Electrical Static Discharge:	15 kVA Air and 8 kVA Contact
Environmental Resistance:	IP64
Power:	2500 mAh Extended-life, Li-ion battery pack with hot-swappable design for fast replacement in the field
Other:	Integrated stylus with tether and removable hand strap

Regulatory Approvals

FCC-CE-Radio Country:	US/Canada, R&TTE (terminal)
ETS300-220/FCC15.247 certified & compliant (internal Wavenis® radio card)	

1. When used in conjunction with Elster Software applications.
2. Limited availability. Please contact your Elster representative for more details.

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