

Mobile Collector Lite



Performance:

Receiver operating frequency	915 ISM band
Transmitter output power	4 Watts maximum - radio

Functional:

Power supply	12 V
Power consumption	5 Amps maximum
FCC compliance	Part 101
Radio	80 channels reading simultaneously - better dynamic range - improved interference mitigation Smaller form factor
Antenna	Permanent mount (magnetic mount optional)
Mounting	Radio mounts to the passenger seat Handheld mounts to the vehicle chassis (3rd party mounting solution needed for vehicle mount)
Endpoint compatibility	40W, 50W and 60W water ERT modules

Environmental:

Operating temperature	-4°F to 122°F (-20°C to 50°C)
Storage temperature	-40°F to 160°F (-40°C to 71°C)
Humidity limits	5 to 95% non-condensing relative humidity

Physical:

Dock dimensions	9" high x 5.5" wide x 4" deep
Weight	Radio: 10 lbs. FC200 Handheld: 28 oz.

Host Processing Software:

The Mobile Collector Lite may be used with MV-RS, version 7.8 or higher, a meter reading software that integrates electronic, off-site and mobile AMR functionality into a single software application.

System Overview. From small rural providers to larger utilities with a mix of rural and urban service areas, Itron's newest mobile AMR offering, Mobile Collector Lite, answers a growing need in the utility market for more cost-effective and flexible AMR solutions.

Mobile Collector Lite is an innovative combination of mobile and handheld AMR that can handle mixed drive-by and walk-by routes for the ultimate in operational flexibility.

Mobile Collector Lite is a significant offering for water utilities that want the benefits of AMR in an affordable solution that can achieve their operational and business objectives. With Mobile Collector Lite, utilities now have an effective AMR solution that can increase operational efficiency, reduce costs and improve customer satisfaction at a cost that makes sense for them.

Functionality. Itron's rugged, industry-leading FC200 handheld computer is the key to Mobile Collector Lite's flexibility. Utilizing the compact in-vehicle dock and external multi-channel radio, Mobile Collector Lite collects consumption

and tamper data from water endpoints in either “bubble-up” or “wake-up” mode.

A single Mobile Collector Lite can read up to 10,000 meters on a single route, compared to the few hundred meters that can be read on the average handheld walking route. Meter readers can collect reads while driving at normal city driving speeds or they can remove the FC200 from the in-vehicle dock to probe reads, collect manual meter reads or hard-to-read meters while reading the normal cycle route. When using the FC200 equipped with optional internal radio (FC200R), meter readers can also program endpoints or do field investigations. With the colorful touch-screen display, meter readers can view missed reads and other performance statistics in real time on the route.

The external multi-channel, full-duplex radio collects reads on all channels simultaneously, providing the highest possible level of performance in any RF environment.

Compact and portable, Mobile Collector Lite transfers easily between vehicles for flexible drive-by reads and allows meter readers to remove the FC200 handheld from the in-vehicle dock for complete walk-by functionality.

Features

- Exceptional meter reading flexibility
- Portable, cost-effective mobile AMR
- Full duplex radio reads up to 80 channels simultaneously
- Rugged durability of FC200 handheld
- Compact, light-weight solution transfers easily between vehicles
- Itron's field-proven MV-RS software

Elster AMCO Water, Inc.
PO Box 1852
Ocala, FL 34478-1852
United States

T +1 800 874 0890 (US)
T +1 866 703 7582 (Canada)
T +1 787 872 2006 (Caribbean)
F +1 352 368 1950

watermeters@us.elster.com
www.elster.com

© 2007 by Elster. All rights reserved.

The company's policy is one of continuous product improvement and the right is reserved to modify the specifications contained herein without notice. These products have been manufactured with current technology and in accordance with applicable AWWA Standards.

MC-LITE/10-07