



FieldLogic® Handheld Device

Model FL750x

The Sensus FieldLogic® FL750x Handheld Device (HHD) is primarily designed to collect and store utility meter readings with built-in capability for expanded uses. The HHD interfaces to a personal computer through Bluetooth®, Wi-Fi® or an ethernet-enabled charging stand used for uploading pre-programmed meter reading route information. The computer must be equipped with Sensus FieldLogic System software.

The FL750x provides flexibility for utilities needing a reliable electronic hand-held meter reading and programming device. They are designed for collecting meter readings as well as programming RadioRead MXUs, FlexNet™ SmartPoint™ modules, and Sensus registers. In addition to accepting meter readings via its keypad, the HHD also accepts readings from TouchRead® System and RadioRead® System equipped meters where those systems are used. All meter reader activity is stored for later analysis, including multiple data entries, bad readings, and management system analysis.

FEATURES

- Powered by Android™
- Equipped with Bluetooth and Wi-Fi
- Alphanumeric keyboard
- AC wall charger
- USB micro client sync cable
- Hand strap
- Capacitive blunt tip stylus and tether

Model Features

The Model FL7501 accepts meter reading data entered wirelessly with the CommandLink or FMT , electronically through the TouchRead® System AutoGun, or manually on a built-in keypad. AutoGun options include cable-connected and Bluetooth (no cable required) styles.

The Model FL7502 includes all features of the Model FL7501, plus it can read Sensus RadioRead® Meter Transceiver Units [MXUs].

Ergonomic Design & Construction

The HHD's ergonomic-minded design offers a well-balanced, easy-to-handle unit. It includes a Transflective (TFT) LCD screen for ease of viewing during operation. Transflective displays appear brighter in direct sunlight, and use less power than other display technologies. Brightness can be adjusted to accommodate personal preference. The HHD can be manually carried during operation, or function in the optional HHD carrier harness.

The HHD is housed in a weather-resistant, high impact, UV-stabilized plastic. Surface-mounted circuitry in the specially designed, watertight case allows the HHD to be used in rugged field conditions over a wide range of temperatures.

Replaceable Battery

The rechargeable, self-contained Lithium Ion battery pack is field-replaceable to minimize downtime. The HHD is also equipped with a lithium battery backup to maintain date and time.

Audible Verification/Warning

The audible tone confirms completed readings, or alerts the user to faulty or out-of-limit readings. Tones can also be programmed with notes to alert the meter reader to hazardous situations or to respond to field survey questions.

OPTIONAL FEATURES

- Integrated GPS/GNSS for accurate position data.
- 5MP camera for taking photos and videos.
- 4G data modem adding Wide Area Network data modem capability.
- Barcode scanner for reading 1D and 2D barcodes. Easily import barcode data into apps running on the FL750x.

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Connector I/O Module



SPECIFICATIONS

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| Operating System | Android™ 7.1 AOSP by Google. Multiple languages available. |
| Dimensions | 5.4" (W) x 10.2" (H) long x 1.6" (D)/138mm (W) x 255mm (H) long x 40mm (D) |
| Weight with battery | FL7501 - 2.01 lb. (910 g) FL7502 - 2.09 lb. (946 g) |
| Configurations | FL7501 or FL7502 |
| Temperature | Operating Temperature: -22° to 140° F (-30° to 60° C). <i>Note: Bluetooth® wireless technology is rated to -4° to 122° F (-20° to 50° C).</i> Storage Temperature: -22° to 158° F (-30° to 70° C) Battery Charging Temperature: 32° to 104° F (0° to 40° C) Maximum Temperature for Switching the Power Supply: 104° F (40° C) |
| Battery | Field replaceable and rechargeable Li-Ion battery pack, 3.6VDC 12000mAh, 43.2Whr |
| Physical Characteristics | Case material molded of high impact, UV-stabilized plastic. Grey color standard. Reading device/programmer connection built in. Carrying harness included. |
| Shock Resistance | Withstands multiple 4 foot drops to concrete. |
| Reading Compatibility | Able to read Sensus FlexNet SmartPoint modules, Sensus RadioRead MXUs, Sensus TouchRead, approved third party TR/PL connectors, and provides the ability to perform manual read entries. |
| LCD Activity Indicators | Red: power applied/charging status Green: notification, application programmable Blue: application programmable |
| Environmental | IP68 rating, waterproof and dustproof (1.4m for 2 hours). |
| Certifications and Standards | FCC Class B CE Marking (applicable EMC, R&TTE, and LVD directives) Industry Canada EN60950/EN62368 Safety Bluetooth SIG qualification USB client |

