

# **Transmitter Certification**

## **Test Report**

**FCC ID: SDBFPGMR**

**FCC Rule Part: CFR 47 Part 15.209**

**ACS Report Number: 07-0270 – 15C**

Applicant: Sensus Metering Systems  
Model(s): FPGMR

## **User's Guide**

450 N. Gallatin Avenue  
Uniontown, PA 15401



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# FLEXNET Field Programmer (FPGMR) INSTALLATION TOOL USER'S GUIDE

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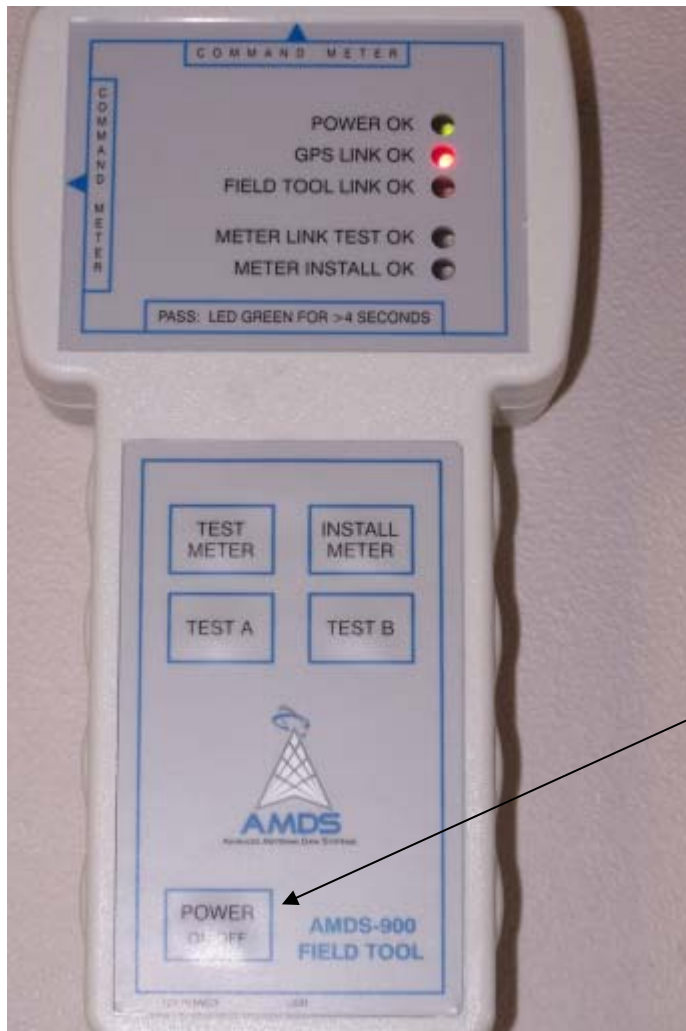
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## FPGMR Power On/Off Button

To power up the Handheld Installation Tool, press the Power On/Off button in the bottom left hand corner. When pressed, the Handheld Unit will power up. The power OK LED will light solid green, and the GPS LINK light will blink red.



Power On/Off Button

## GPS LINK OK

After Powering the Handheld device, the GPS LINK LED will be blinking red meaning the GPS receiver in the unit has not achieved a GPS lock yet, and the current position is not known. The Handheld unit cannot be used to install a meter until GPS lock is achieved.



GPS LINK OK LED

2.1 In an outdoor open space, hold the unit with LEDs pointing towards the sky. The unit can also be placed face up on any flat surface until GPS lock is achieved. If the handheld unit is turned on after being off for several hours, GPS lock may take longer, up to four minutes. After that, the unit should only take a few seconds to acquire a GPS lock. When a GPS lock is acquired, the GPS LINK OK LED will light solid green. A solid green light means that GPS coordinates are updating every second.



If the handheld device is taken to an unfavorable RF location, such as under a building, the GPS LINK OK LED will blink green once a second. This indicates that the coordinates in the Handheld are not updating, and the last known coordinates will be used. The handheld unit can still be used to install meters in this state.

## Section 3

### Installation Process

After the GPS LINK OK LED turns green, you may begin the installation process. Start by holding the Installation Tool vertically on the right side of the meter making sure the command meter arrow on the left of the Installation tool is lined up with the center of the electric meter as shown below.



#### 3.1 Installation Button

**Installation:** Once the installation tool is in position, use the install meter button to begin the setup process. Once the process has begun, the Handheld Device must be kept in place until the installation is complete.

When the Installation process has begun, the METER INSTALL OK LED will blink red repeatedly showing that the installation is in progress.

**\*IMPORTANT\*** Hold the handheld in position until the METER INSTALL OK LED stops blinking red or turns solid green.



When the installation process is complete, if successful, the METER INSTALL OK LED will turn solid green for approximately four seconds. If the installation is not successful, the METER INSTALL OK LED will not be lit in any color. If the meter installation process is not successful, the installation process may be repeated. If the installation fails two consecutive times, the meter is not functioning properly and should be replaced.



## APPENDIX A: REGULATORY INFORMATION:

### COMPLIANCE INFORMATION:

#### FCC:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet or circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications to this device not expressly approved by Sensus or AMDS LLC could void the user's authority to operate this equipment.

#### Industry Canada:

This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareillage numérique de la classe B répond à toutes les exigences de l'interférence canadienne causant des règlements d'équipement. L'opération est sujette aux deux conditions suivantes: (1) ce dispositif peut ne pas causer l'interférence nocive, et (2) ce dispositif doit accepter n'importe quelle interférence reçue, y compris l'interférence qui peut causer l'opération peu désirée.

#### RF Exposure:

In accordance with FCC requirements of human exposure to radiofrequency fields, the radiating element shall be installed such that a minimum separation distance of 20cm is maintained.