



## **Transmitter Certification**

**FCC ID: SDBIDTB001**

**FCC Rule Part: CFR 47 Part 24 Subpart D, Part 90 Subpart I, Part 101  
Subpart C**

**ACS Report Number: 06-0011-LD**

Manufacturer: Advanced Metering Data Systems, LLC  
Equipment Type: Electricity Meter Transmitter  
Trade Name: Sensus Integrated Display Transceiver  
Model: IDTB001

## **User Manual**

AMDS iCon AMR  
Electric Meter  
Installation Guidelines

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## INTRODUCTION:

The following document briefly describes the installation of a Sensus AMDS iCon Transceiver equipped power meter. The scope of the document is to describe how to program the meter after proper installation by trained utility company technicians or licensed electricians.

### **THIS METER IS ONLY TO BE INSTALLED BY QUALIFIED PERSONNEL!**

#### PROCEDURE:

Confirm that the meter has been installed by a qualified entity or individual.

Turn on the hand-held meter-programming device. (Either the Palm “Zire” or customized programming device supplied by utility).

Select “Program Electric Meter” when prompted by the meter-programming device.

Using the wand attached to the meter-programming device, read the bar code on the front of the power meter (see figure 1 for location). Pass the wand from left to right over the bar code. A successful read will result in a short beep sound being generated from the meter-programming device.

After a successful bar code read (i.e. the meter-programming device beeped) the meter-programming device will prompt the operator to “program device with magnetic loop”. The magnetic loop is in the wand attached to the meter-programming device also.

Looking directly at the meter, and mentally superimposing the hands of a clock on the meter face for reference, place the meter-programming wand at the 3:00 position of the meter face, on the side of the plastic meter cover, touching the plastic meter cover with the wand. (See photograph below).

Select “Program” on the meter-programming device display. The meter-programming device will again beep when the meter has been programmed.

Contact your supervisor for confirmation of meter operation.

## 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 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.



Photograph showing bar code position and 3:00 position for programming wand placement on meter.