

Application Note 006  
 Version 002  
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## Connecting A Sensus Omni Meter to the EtherMeter<sup>®</sup>, Signalizer<sup>™</sup>, or TheMeterDisplay<sup>™</sup>.

The purpose of this document is to provide assistance to the EtherMeter user who wishes to connect a Sensus Omni or Omni Plus Meter (T<sup>2</sup>, C<sup>2</sup>, R<sup>2</sup>, or F<sup>2</sup>) to an EtherMeter<sup>®</sup>, Signalizer<sup>™</sup>, or TheMeterDisplay<sup>™</sup>.

Before proceeding, the user should first familiarize himself with the User Manual, Compatibility Matrix, and Application Notes – all of which are posted in the support section of [scadametrics.com](http://scadametrics.com).

### Cable Connections:

The Sensus Omni Meter has two (2) integral data cables: Cable 1 (Encoder-Signal) and Cable 2 (Pulse-Signal).

**Cable 1** (Encoder-Signal) contains a black, potted, cylindrical touch-coupler attached to the end of the cable. This is the cable that should be connected to the EM.100 EtherMeter, TMD Display, or EMP Signalizer. The user must cut off the touch-coupler to expose the three (3) encoder signal wires (RED, GREEN, BLACK).

**Cable 2** (Pulse-Signal) is a plain-terminated cable and contains no attachments. This cable is not used by the EtherMeter. Note: The Omni-R<sup>2</sup> and Omni Plus-R<sup>2</sup> does not feature this pulse cable. The Omni Plus register can be ordered with Encoder-Only (No Pulse Cable).

