



# Signalizer™

## PRE-START CHECKLIST



Before getting started with the Signalizer™, make sure you review the following checklist!...

- 1. Specification Review.** Make sure you have reviewed the Signalizer’s engineering specifications, which are listed in the Datasheet/User Manual.
- 2. Flow Meter.** Make sure your flow meter is compatible. For the comprehensive list of compatible AMI-type (absolute-encoder) meters, check the **"Meter Compatibility Matrix PDF"** on [scadаметrics.com](http://scadаметrics.com).
- 3. Pulse-Output-Type Meters.** Caution: If the flow meter is a pulse-output-type (not encoder-type), then it is **\*not\*** compatible with the Signalizer. However, SCADAmetrics offers other instrumentation that may be compatible. Please contact SCADAmetrics or your SCADAmetrics dealer for details.
- 4. Flow Meter Pre-Programming.** Does the flow meter require factory or field pre-programming? If so, make sure that it has been pre-programmed according to SCADAmetrics’ recommendations in the document **"Meter Compatibility Matrix PDF"**.

**5. Pre-Determine Meter Encoder Type and Resolution.** The AMI encoder-type meter signal is transmitted as a simple integer value. The user should determine, in advance, the following characteristics of the encoder signal:

How many digits?      4 , 5 , 6 , 7 , 8 , 9  
(circle one)

Registration unit?      Gallons , FT<sup>3</sup> , M<sup>3</sup> , Acre-Ft  
(circle one)

Multiplier?            x1, x10, x100, x1000,  
(circle one)            x0.1, x0.01, x0.001, X0.0001, x0.00001

Encoder Protocol?      a. Neptune , b. Elster/AMCO/Honeywell ,  
(circle one)            c. Sensus/Everything Else

Meter Flow Rate?      Maximum Expected  
(enter value)            Flow Rate (gpm/lpm): \_\_\_\_\_

SCADA/Telemetry/ BMS Signal? (circle all that apply)	Flow 4-20mA	Totalizer Dry Contact Pulse	Meter Fault Dry Contact
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- 6. Meter Cable.** 3-Conductor, Shielded w/ Drain Wire. Recommended: General Cable C2526A or Belden 8771.
- 7. Setup Tools.** Do you have the necessary setup tools for configuring the Signalizer?
  - Multi-Meter – Not Included
  - Flat-Blade Mini Screwdriver – Not Included
  - Wire Cutters – Not Included
- 8. Power Supply.** The Signalizer requires an External, Isolated DC Power Supply; but does not ship with a power supply unless specified. The acceptable voltage range is 9-36VDC. Do you have the correct Power Supply? SCADAmetrics offers several units. The most popular is our din-rail-mountable MDR-20-24 (24VDC/20W).
- 9. Enclosure.** The Signalizer requires an external NEMA enclosure (not included). An enclosure should be selected that matches your application, and purchased separately. The dimensions of the Signalizer, Power Supply, and any other accessories should be considered when selecting an enclosure. SCADAmetrics has recently introduced an Outdoor/Indoor Enclosure Option. Please inquire for details.
- 10. Panel Mounting.** The Signalizer mounts onto standard 35mm industrial din-rail. Din-rail is not included, and should be purchased separately.
- 11. Documentation.** Visit the [scadаметrics.com](http://scadаметrics.com) Documentation page to download the documents of interest. At a minimum, the Datasheet / User Manual and Meter Compatibility Matrix documents are recommended. The documentation should be studied in advance, paying particular attention to the sections detailing the Wiring Diagrams. Please note that Hardcopy User Manuals do not ship with your order: All documents are provided as download-only.
- 12. Meter Signal Splitting.** Does the AMI-type meter need to be read by another device in parallel to the Signalizer? The Signalizer features an always-ON pass-through port for concurrent AMI connectivity. Please note that utility-owned meters require permission and/or approval from the utility before connecting a Signalizer.
- 13. Connectivity.** The Signalizer can communicate metering data to a connected SCADA, Telemetry, or Building Management system using Dry-Contact Pulse signaling, 4-20 Milliamp signaling, or both. The type of connectivity should be planned in advance.