

Meter-Master

Model 80 Encoder Interface Unit

The METER-MASTER MODEL 80 Encoder Interface Unit attaches to an encoder register and provides pulse, 4-20mA, ASCII text, and AMR outputs. The Model 80 enables the continuing use of most existing AMR solutions for monthly or other billing reads while providing digital, analog, and text outputs that match the register. The Model 80 is installed/wired between a 3-wire encoder register output cable and AMR touchpads. The Model 80's advantage is that it gets its information directly from the register (for optimum data correlation with the register). The Model 80 can also be used in visual read situations (with an encoder register) if all that is needed is a very accurate pulse, 4-20mA, and/or ASCII text output but no AMR output.

One Model 80 can provide up to two separate 4-20mA outputs, and the pulse output can be split into multiple pulse outputs. The Model 80 also outputs the current meter reading to either one or two touchpads or touchcouplers when requested to do so by an AMR technology. To the touch solution, the Model 80 responds just like a register. The Model 80 is programmed to output whatever number of wheels the touch solution wants even if it is reading 8 wheels in order to create an accurate 4-20mA or a high resolution pulse output. In order to provide a 4-20mA output, the Model 80 requires an 8-wheel register, programmed to output all 8 wheels. A traditional 6-wheel register may be used for pulse and ASCII text outputs. The 4-20mA output also requires external power, which can be either regulated 12VDC, regulated or unregulated 24VDC, or an available AC adapter. Lithium battery packs are available to power the Model 80 for pulse/ASCII/AMR only applications.

The Model 80 is programmed at the factory and arrives ready for immediate operation. The user need only attach the cables and secure the Model 80 to a wall using the brackets and hardware provided. The Model 80 can be submersed for short periods if unavoidable. There are 2 LED's on the faceplate which will flash each 4 seconds to indicate power and that the Model 80 is attached properly to a register. The pulse output may be divided by any factor desired so that the pulse value may be customized for a specific application.

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APPLICATIONS

- **SCADA**
- **Telemetry**
- **Custody Transfer**
- **Resource Management**
- **Demand Monitoring**
- **Chemical Feed**
- **Hydraulic Modeling**
- **Cost of Service Studies**

FEATURES

- **Digital Operation**
- **Encoder Register Interface**
- **Preprogrammed at factory**
- **Quick/Easy Installation**
- **Pulse/4-20mA/AMR Outputs**
- **Internal Battery Option for Pulse**
- **Highly Accurate**
- **Submersible/Rugged**
- **Wall Mountable**
- **LED Power/Signal Indicators**



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MODEL 80 OUTPUT CONFIGURATIONS

The Model 80 has a capacity for 6 cable connections on the bottom of the unit. One is always the register wire connection. The other 5 can be any combination of the following:

- External power supply
- Up to one Pulse output (can be divided externally into multiple pulse outputs)
- Up to two 4-20mA outputs
- Up to one ASCII text output
- Up to two AMR outputs

Accessories include internal lithium battery packs and AC adapters. The 4-20mA versions require either regulated 12VDC, regulated or unregulated 24VDC, or an AC adapter as external power.

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