NEW! Modbus Communications

Modbus unlocks PROVU's full potential

PROVU® with Modbus®
SERIES

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PRECISION DIGITAL

Modbus RTU Serial Communications

After the purchase of a serial communications adapter for the PROVU meter, any Modbus-ready device can communicate with the meter using the ever-popular Modbus communications protocol included in every PROVU. This greatly increases the flexibility of the meter. You can do a lot more than read PV and write setpoints with Modbus communications. Below are some examples of other things that can be done with PROVU's Modbus communications.

- Send a 6-character message to the lower display upon an event
- Convert a digital value to a 4-20 mA signal
- Take full remote control (including acknowledging alarms)
- Input a Modbus digital PV (in place of analog input)
- Take remote control of any or all relays and more...

Modbus PV Input   **Remote Message**

Modbus RTU Communications Protocol

All programming can be done from a computer using MeterView Pro or any Modbus program such as Modbus Poll. A Modbus program can be used for data logging applications.

Modbus display, Modbus alarm, and Modbus to 4-20 mA converter

With a serial adapter and Modbus Master, any PROVU meter can be set up to work as a Modbus display (slave) with alarms. The PROVU could also generate a 4-20 mA output based on the Modbus data sent by the Master. Another configuration would be to have the analog input as the PV (top display and alarms); while sending messages to the bottom display via Modbus.

PDA1232 and PDA1485 Communications Modules

Serial Communications on the PROVU series can be added at any time using an external PDA1232 (RS-232) or PDA1485 (RS-422/485) communications adapter.