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## **FieldServer Technologies Modbus Gateway Aids Modbus Conformance Laboratory**

*April 12, 2003* – The FieldServer Modbus Gateway is part of the International Modbus/TCP Conformance Test Laboratory at the University of Michigan. The Test Laboratory in cooperation of The Modbus Organization tests various Modbus driven devices to certify their approval. Based upon feedback from their test customers they found a need to expand this testing to include not only Modbus TCP but also serial Modbus RTU and Modbus ASCII.

The addition of the serial capability is achieved using the Modbus Certified FieldServer Bridge device. It supports both RTU and ASCII serial interfaces. "Using this bridging device, we are able to leverage our development work on Modbus/TCP protocol testing into serial Modbus device testing," noted Jon Parrott, co-laboratory director

The FS-2010-01 FieldServer Gateway is a protocol translator to convert Modbus RTU or ASCII to Modbus TCP, making it easy to link Modbus devices to Ethernet. With the FieldServer Bridge a device using Modbus can be accessible plantwide. The Gateway is a true protocol translator and not simply a tunneling device, thus only one Gateway is needed to link a Modbus RTU device to Ethernet. This communication is fast and complete, any information available through the communications port can be translated into the alternative protocol. The Bridge can act as either a client or server, or in some situations can act as both.

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