



SYSTEM-10 BTU Meter BACnet MS/TP Driver Protocol Implementation Conformance Statement (PICS)

BACnet Protocol

Date: August 16, 2005
Vendor Name: ONICON Incorporated
Product Name: System-10 Btu Meter
Product Model: SYSTEM-10-BAC

Product Description: The System-10 BTU Meter provides highly accurate thermal energy measurement in chilled water, hot water and condenser water systems based on signal inputs from two matched temperature sensors (included) and any of ONICON's insertion or inline flow meters (ordered separately). The System-10-BAC provides energy, flow and temperature data on a local alphanumeric display and to the network via the BACnet communications MS/TP driver. An optional auxiliary input is also available to totalize pulses from another device and communicate the total directly to the network.

BACnet Standardized Device Profile (Annex L):

- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)
- BACnet Application Specific Controller (B-ASC)

BACnet Interoperability Building Blocks Supported (Annex K):

- K.1.2 BIBB – Data Sharing – ReadProperty-B (DS-RP-B)
- K.1.8 BIBB – Data Sharing – WriteProperty-B (DS-WP-B)
- K.5.2 BIBB – Device Management – Dynamic Device Binding-B (DM-DDB-B)

Segmentation Capability:

None

Standard Object Types Supported:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Device Object | <input checked="" type="checkbox"/> Multi State Input Output |
| <input checked="" type="checkbox"/> Analog Input | <input checked="" type="checkbox"/> Multi State Output |
| <input checked="" type="checkbox"/> Analog Output | <input checked="" type="checkbox"/> Multi State Value |
| <input checked="" type="checkbox"/> Analog Value | |
| <input checked="" type="checkbox"/> Binary Input | |
| <input checked="" type="checkbox"/> Binary Output | |
| <input checked="" type="checkbox"/> Binary Value | |

For all these properties the following apply:

1. Does not support BACnet CreateObject
2. Does not support BACnet DeleteObject
3. Does not support any optional properties
4. No additional writeable properties exist
5. No proprietary properties exist
6. No range restrictions exist

Data Link Layer Options:

- MS/TP master (Clause 9), baud rate up to 76800 bps
- MS/TP slave (Clause 9), baud rate up to 76800 bps

Device Address Binding:

Not supported

Character Sets Supported:

- ANSI X3.4.