

Measurlogic DTS Series of Revenue Grade Meters BACnet/IP PICS

1.1 PICS (BACnet Protocol Implementation Conformance Statement)

- Vendor Name: Measurlogic Inc
- Vendor ID: 473
- Product Name: DTS Series of Revenue Grade Meters
- Product Model Numbers: DTS 305, DTS 310, DTS SMX, DTS SKT and DTS DC
- Application Software Version: V2.80
- BACnet Protocol Revision: 12
- Product Type: Controller
- Product Description: The DTS family is a series of 3-Phase 4-Quadrant revenue grade power and energy meters for sub-metering. This product supports native BACnet_IP. This device is configured as a BACnet Server.

1.1.1 BACnet Standardized Device Profile (Annex L)

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

1.1.2 BACnet Interoperability Building Blocks Supported (Annex K)

- K.1.2 BIBB - Data Sharing - ReadProperty-B (DS-RP-B)
- K.1.4 BIBB - Data Sharing - ReadPropertyMultiple-B (DS-RPM-B)
- K.1.8 BIBB - Data Sharing - WriteProperty-B (DS-WP-B)
- K.1.10 BIBB - Data Sharing - WritePropertyMultiple-B (DS-WPM-B)
- K.1.12 BIBB - Data Sharing - COV-B (DS-COV-B)
- K.2.2 BIBB - Alarm and Event-Notification Internal-B (AE-N-I-B)
- K.2.5 BIBB - Alarm and Event-ACK-B (AE-ACK-B)
- K.2.11 BIBB - Alarm and Event-Information-B (AE-INFO-B)
- K.4.2 BIBB - Trending – Viewing and Modifying Trends Internal-B (T-VMT-I-B)
- K.5.1 BIBB - Device Management - Dynamic Device Binding-A (DM-DDB-A)
- K.5.2 BIBB - Device Management - Dynamic Device Binding-B (DM-DDB-B)
- K.5.4 BIBB - Device Management - Dynamic Object Binding-B (DM-DOB-B)
- K.5.6 BIBB - Device Management - DeviceCommunicationControl-B (DM-DCC-B)
- K.5.12 BIBB - Device Management - TimeSynchronization-B (DM-TS-B)
- K.5.20 BIBB - Device Management - ReinitializeDevice-B (DM-RD-B)
- K.5.22 BIBB - Device Management - List Manipulation-B (DM-LM-B)

1.1.3 Segmentation Capability

- None

1.1.4 Object Types and Optional Properties Supported

Object Type	Optional Properties Supported
<input checked="" type="checkbox"/> Device Object	Location, Description, UTC Offset, Active COV Subscriptions, Database Revision
<input checked="" type="checkbox"/> Analog Input	Reliability, Description
<input checked="" type="checkbox"/> Analog Output	Reliability, Description, Max_Pres_Value, Min_Pres_Value
<input checked="" type="checkbox"/> Analog Value	Reliability, Description
<input checked="" type="checkbox"/> Binary Input	Reliability, Description, Active_Text, Inactive_Text
<input checked="" type="checkbox"/> Binary Output	Reliability, Description, Active_Text, Inactive_Text
<input checked="" type="checkbox"/> Binary Value	Reliability, Description, Active_Text, Inactive_Text
<input checked="" type="checkbox"/> Multi State Input Output	Reliability, Description, State_Text
<input checked="" type="checkbox"/> Multi State Output	Reliability, Description, State_Text
<input checked="" type="checkbox"/> Multi State Value	Reliability, Description, State_Text
<input checked="" type="checkbox"/> Notification Class Object	
<input checked="" type="checkbox"/> Trend Log	Description, Log_Interval

1.1.5 Unsupported Properties and Restrictions

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
7. Client Driver can only read Present Value property

1.1.6 Data Link Layer Options

- BACnet IP, (Annex J)
- ANSI/ATA 878.1, 2.5 Mb, ARCNET (Clause 8)
- Point-to-Point, EIA 232 (Clause 10), baud rate up to 57.6Kbps
- ISO 8802-3, Ethernet (Clause 7)
- MS/TP master (Clause 9), baud rate up to 57.6Kbps

1.1.7 Device Address Binding

- Not Supported

1.1.8 Networking Options

- Router, Clause 6 – List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
- Annex H, BACnet Tunneling Router over IP
- Annex H.2, Multiple “Virtual” BACnet Devices in a Single Physical Device
- BACnet/IP Broadcast Management Device (BBMD)
- Registrations by Foreign Devices

1.1.9 Character Sets Supported

Where support for multiple character sets is indicated, this does not imply that they can all be supported simultaneously.

- ANSI X3.4.
- ISO 10646 (UCS-2).
- IBM/Microsoft DBCS
- ISO 10646 (ICS-4)
- ISO 8859-1
- JIS C

1.1.10 Unsupported functions of the BACnet Driver -BACnet/IP as a Client

- Registering the FieldServer as a foreign device on a remote BBMD
- Configuring a Connection for BBMD operation