

## BACnet Protocol Implementation Conformance Statement (PICS) (Normativ)

<b>Date</b>	01.04.2014
<b>Vendor Name</b>	Janitza electronics GmbH
<b>Product Name</b>	UMG96RM-E
<b>Product Model Number</b>	UMG96RM-E-RCM
<b>Applications Software Version</b>	2.09
<b>Firmware Revision</b>	2.09
<b>BACnet Protocol Version</b>	1
<b>BACnet Protocol Revision</b>	7

<b>Product Description</b>	Power analyzer
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### BACnet Standardized Device Profile (Annex L):

- BACnet Operator Workstation (B-OWS)
- BACnet Building Controller (B-BC)
- BACnet Advanced Application Controller (B-AAC)
- BACnet Application Specific Controller (B-ASC)
- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)

### List all BACnet Interoperability Building Blocks Supported (Annex K): BIBB

Data Sharing	Event & Alarm Management	Device & Network Management
DS-RP-B		DM-DDB-B
DS-RPM-B		DM-DOB-B
DS-WP-B		DM-TS-B
DS-COV-B		DM-UTC-B

**Segmentation Capability:**

- Segmented requests supported      Window Size \_\_\_\_\_
- Segmented responses supported      Window Size \_\_\_\_\_

**Standard Object Types Supported:**

Object-Type	Object-Type Supported	Optional Properties Supported
Analog Input	☒	Description, COV_Increment
Analog Value	☒	Description, Priority_Array, Relinquish_Default, COV_Increment
Binary Input	☒	Description
Binary Output	☒	Description
Binary Value	☒	Description, Priority_Array, Relinquish-Default
Device	☒	Location, Description, Max_Segments_Accepted, Local-Date, Local_Time, UTC_Offset, Daylight_Savings_Status, Active_COV_Subscriptions

**Comment:**

All measurements in the device have the Analog Input type. All other Float-Values are Analog Values. Digital-In/Outputs have Binary Input/Output type. The set of objects available through BACnet is customized by the customer with external Software (GridVis) using the Modbus configuration interface.

**Data Link Layer Options:**

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
- ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s)
- MS/TP master (Clause 9), baud rates : 9.6, 19.2, 38.4, 57.6, 115.2, 921.6kB/s
- MS/TP slave (Clause 9), baud rates : 9.6, 19.2, 38.4, 57.6, 115.2, 921.6kB/s
- Point-To-Point, EIA 232 (Clause 10), baud rate(s):
- Point-To-Point, modem, (Clause 10), baud rate(s):
- LonTalk, (Clause 11), medium:
- Other:

**Device Address Binding:**

Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other devices.)  Yes  No

**Networking Options:**

- Router, Clause 6 - Routes packets between a physical LAN and one virtual LAN
- Annex H, BACnet Tunneling Router over IP
- BACnet/IP Broadcast Management Device (BBMD)  
Does the BBMD support registrations by Foreign Devices?  Yes  No

**Character Sets Supported:**

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

- |   |  |                                     |
|---|--|-------------------------------------|
| <input checked="" type="checkbox"/> ANSI X3.4 | <input type="checkbox"/> IBM <sup>™</sup> /Microsoft <sup>™</sup> DBCS | <input type="checkbox"/> ISO 8859-1 |
| <input type="checkbox"/> ISO 10646 (UCS-2)    | <input type="checkbox"/> ISO 10646 (UCS-4)                             | <input type="checkbox"/> JIS C 6226 |

If this product is a communication gateway, describe the types of non-BACnet equipment/networks(s) that the gateway supports: