



BACnet Protocol Implementation Conformance Statement

Date:	5/2/2013	Vendor Name:	Dwyer Instruments, Inc.
Product Name:	Magnesence II w/BACnet	Application Software Version:	1.3.4.0
Product Module Number:	MS2	Firmware Revision:	1.0.13
Product Description:	Differential Pressure Transmitter, up to 28 inH2O	BACnet Protocol Revision:	12

BACnet Standardized Device Profile (Annex L): BACnet Application Specific Controller (B-ASC)

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

DS-RP-B	DS-WP-B
DM-DDB-B	DM-DOB-B
DM-DCC-B	DM-RD-B

Segmentation Capability: None

Standard Object Types Supported: (See Table 1)

Data Link Layer Options:

MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 57600, 76800, 115200

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: None

Network Security Options: Non-secure Device - is capable of operating without BACnet Network Security

Character Sets Supported: ISO 10646 (UTF-8)

Gateway: This product does not support gateway functionality for any types of non-BACnet equipment/network(s).



Table 1: Standard Object Types Supported

Object	Create Object Service	Delete Object Service	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Device 607xxx – MS2 Pressure. Where xxx defaults to the selected MS/TP address.	No	No	Description, Location, Max_Master, Max_Info_Frames,	Description, Location, Max_Master, Max_Info_Frames, Object_Identifier, Object_Name,	1000 (Serial Number), 1001 (Sensor Serial Number)	String length maximum 32 characters
Analog Input 1 – Pressure inWC	No	No	Reliability	Out_Of_Service	None	Units: inches-of-water, Range depends on model.
Analog Input 2 – Pressure Pascals	No	No	Reliability	Out_Of_Service	None	Units: pascals, Range depends on model.
Analog Input 3 – Pressure Kilo-Pascals	No	No	Reliability	Out_Of_Service	None	Units: kilopascals, Range depends on model.
Analog Input 4 – Pressure mmWC	No	No	Reliability	Out_Of_Service	None	Units: millimeters-of-water, Range depends on model.
Analog Value 1 – Velocity FPM	No	No	Reliability	Out_Of_Service	None	Units: feet-per-minute
Analog Value 2 – Velocity MPS	No	No	Reliability	Out_Of_Service	None	Units: meters-per-second
Analog Value 3 – Flow CFM	No	No	Reliability	Out_Of_Service	None	Units: cubic-feet-per-minute
Analog Value 4 – Flow CMH	No	No	Reliability	Out_Of_Service	None	Units: cubic-meters-per-hour
Analog Value 5 – Velocity K Value	No	No	Reliability	Present_Value, Out_Of_Service	None	Units: None 0–9.999
Analog Value 6 – Flow Area SqFt	No	No	Reliability	Present_Value, Out_Of_Service	None	Units: square-feet 0.01–999.99
Analog Value 7 – Sensor Present	No	No	Reliability	Out_Of_Service	None	Units: None, 0=No Sensor, 1=Hall, 2=Piezo, 3=Capcell,
Binary Value 1 – Use Default K Value	No	No	Reliability	Present_Value, Out_Of_Service	None	None
Binary Value 2 – Zero	No	No	Reliability	Present_Value, Out_Of_Service	None	None
Binary Value 3 – Span	No	No	Reliability	Present_Value, Out_Of_Service	None	None
Binary Value 4 – Restore Factory Pressure Values	No	No	Reliability	Present_Value, Out_Of_Service	None	None