TELEDYNE HASTINGS INSTRUMENTS

APPLICATION NOTES

Goal: **Realtime Remote Monitoring With *DeviceNet*™ Communications for Clean Environments**

Solution: ***DeviceNet*™ & The Hastings HPM-2002 OBE**

The HPM-2002 OBE is a self-contained vacuum measurement device that has network communication and vacuum sensing capabilities combined into one unit. It has proven the ideal choice in industrial, medical, and semiconductor industry applications.

One customer used several of these units to acquire the ultimate in flexibility - the ability to receive realtime readings from a central remote location, as well as the option to read information directly from LED displays at each unit location throughout the network. The Hastings Instruments measuring device offered this particular customer, who operated in a clean environment, the additional advantage of remote communication via an optional RJ 11 cord. For onsite inspection, onboard electronics have been fitted with an LED display.

When the same customer expanded its network to include *DeviceNet*™,* the HPM-2002-OBE Vacuum Sensor, provided an excellent conduit for supplying power and communication. The HPM-2002-OBE easily configures with a DeviceNet feature that allows up to 64 nodes on a single backbone. This design offers expanded communication while saving valuable space for wiring.

Hastings developed the OBE module to provide users with a small, low-cost method of accurate vacuum measurement over a wide range of pressure. The OBE electronics module is available with many different types of signal output options for the user.

TELEDYNE INSTRUMENTS
Hastings Instruments
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