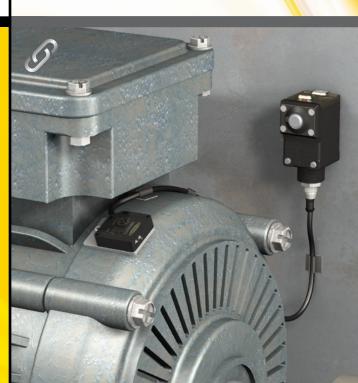


Wireless Vibration and Temperature Monitoring

Vibration monitoring and **predictive maintenance** made easy with the full solution from Banner.

- Easily monitor machine health by sending info wirelessly to wherever you need it
- Avoid machine failures and delays by detecting problems early
- Reduce downtime and plan maintenance more efficiently
- Monitor a variety of machines to suit your needs
 - Motors
- Pumps
- Compressors

- Fans
- Blowers
- Gear Boxes



QM42VT1

Q45VT









Easy Installation of Wireless Remote Monitoring:

Monitor temperature and vibration with the QM42VT1 sensor.

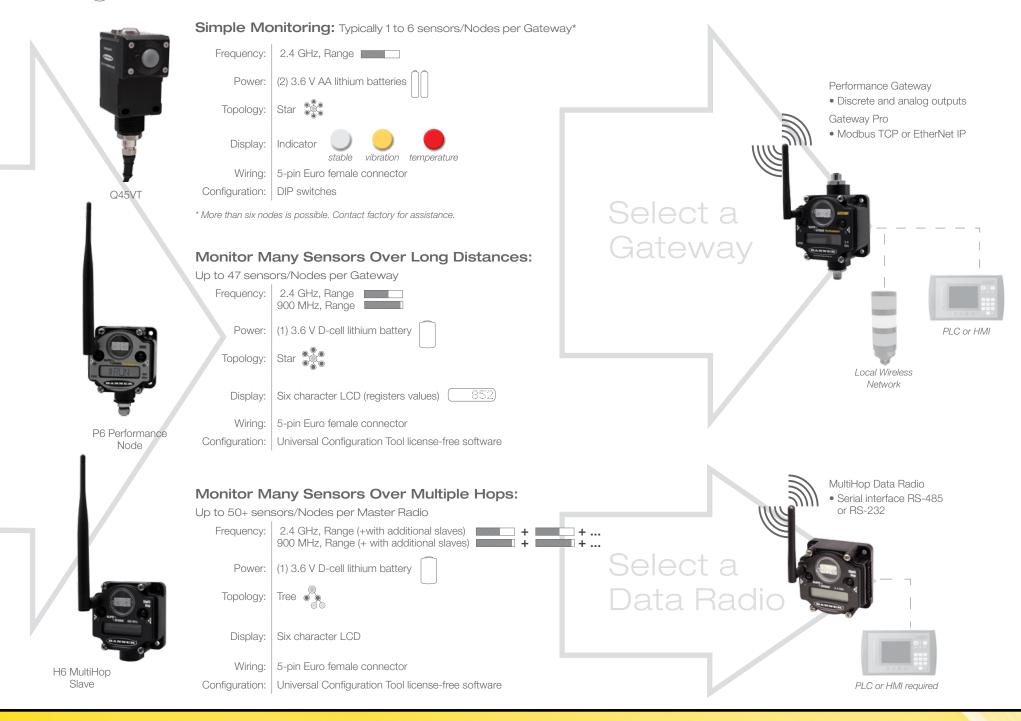
- Predict failures
- Reduce down time
- Plan maintenance efficiently



Select Wireless

- Mount to motors, compressors, fans, pumps with a variety of options
- Wiring: Connect one QM42VT1 to one Node with 3 meter cable—5-pin Euro male connector
- Set vibration parameters according to ISO 10816 Vibration Severity Chart
- Set a temperature threshold up to 80°C
- Powered by one Node
- Provides local indication, sends signal to a central location and collects data via the Gateway

No Lengthy Cable Runs. No Power Needed.



QM42VT1

Wireless Vibration Sensor





Nodes

	Models	Description	Frequency
.0:	DX80N2Q45VT	Q45 Vibration/ Temperature Node	2.4 GHz
	DX80N9X1S-P6	1-wire Serial Performance Node	900 MHz
	DX80N2X1S-P6		2.4 GHz
	DX80DR9M-H6	1-wire Serial Modbus MultiHop Slave	900 MHz
	DX80DR2M-H6		2.4 GHz



PM Gateways (10-30 V dc)

Models	Description	Frequency
DX80G9M6S-PM2	4 Discrete in, 4 Discrete out 2 Analog in, 2 Analog out	900 MHz
DX80G2M6S-PM2		2.4 GHz
DX80G9M6S-PM8	6 Discrete in, 6 Discrete out	900 MHz
DX80G2M6S-PM8		2.4 GHz

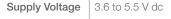
Gateway Pros (10-30 V dc)

	DX80P9T6S-P	Modbus/TCP to EtherNet/IP Converter	900 MHz
	DX80P2T6S-P		2.4 GHz
	DX80P9A6S-P		900 MHz
	DX80P2A6S-P		2.4 GHz

MultiHop Modbus (FlexPower*)

DX80DR9M-H	Serial interface: user selectable between RS-485 or RS-232	900 MHz
DX80DR2M-H		2.4 GHz

*FlexPower® power options allow for 10 - 30 V DC, solar, and battery power sources for low power applications



Current Active comms: 11.9 mA at 5.5 V dc

Indicators Green flashing: Power ON

Amber flicker: Serial Tx

Mounted base resonance: Vibration

5.5 kHz nominal Measuring range:

0 - 65 mm/sec or 0 - 6.5 in/sec RMS Frequency Range: 10 - 1000 Hz

Accuracy: ± 10% @25°C

Temperature Measuring range:

-40 to +105°C (-40 to +221 °F)

Resolution: 0.1 °C Accuracy: ±3 °C NEMA 6P, IEC IP67

Environmental

Rating

Shock 400 g Accessories

Flexible Mounting Solutions to Suit Your Needs







BWA-BK-001 (magnet)



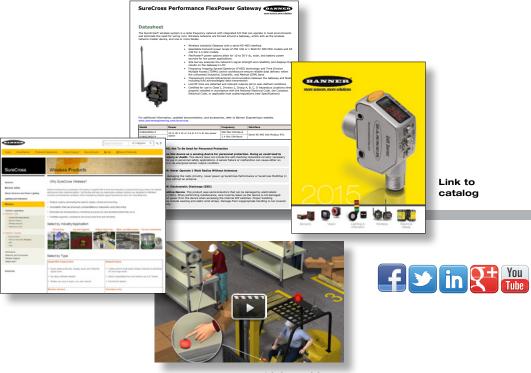
5-Pin Threaded M12/ Euro-Style Double-ended Cordset

Female/Male straight connectors

DEE2R-51D 0.31 m (1') DEE2R-53D 0.91 m (3') DEE2R-58D 2.44 m (8')

Link to the Banner website





Link to videos

minneapolis, mn