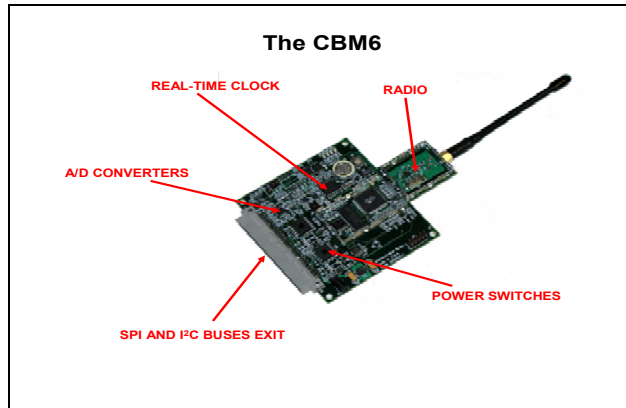


CBM6 For Condition-Based Maintenance Targeted To Service Vibration Sensors



Product Description - MachineTalker Peer-to-Peer Wireless Mesh Technology allows wireless networks to be used for any number of applications. The software operating system, SMMP® (Simple Machine Management Protocol) allows for high performance and low battery consumption in remote applications or line powered when available. The mesh network operates at 915 MHz for optimal propagation in a low interference regime.

Condition-Based Maintenance - The CBM6 has been designed with vibration measurement as its focus and it will service 2 high speed analog sensors and 4 lower speed sensors, all with a single intelligent wireless networking node. The CBM6 provides the lowest cost implementation for wireless vibration monitoring. In conjunction with a broad selection of IMI vibration sensors the CBM6 can be used to monitor small HVAC installations as well as 1000 horsepower reciprocating compressors, large and small cooling towers and other rotating machinery.

Key Features - The CBM6 features 6 Analog input connections that enter the circuit board through a 44-pin connector. There are 2 user controlled switches that can close up to 42vdc at >1 Ampere for turning on sensors or heaters. In sum, there are a number of data transfer and control signals that are available through this 44-pin connector for off-board use, including:

6 Analog Pairs (12 pins), External Power Input /Ground (2), +5vdc Output/Ground (2), SPI Bus/Ground (4), I²C (3), Expanded PI/O Bits/Ground (6), RS485/Profibus (3), TTL In/Out/+3.3vdc Ground (4), 2 Switches with In/Out/Ground/Enable each (8 pins).

Other Features - Automatic formation of a wireless mesh among peers to allow redundancy; Capable of European operation at 868 MHz.; Digital RF Power Control (+10dbm max output 10milliwatts), Receiver Sensitivity -100dbm; Can be mounted inside Div 1 (Explosion Proof) or NEMA 4 industrial enclosures;

For Details Contact: cbm@machinetalker.com or gnadler@machinetalker.com

MachineTalker, Inc. 513 De La Vina Street, Santa Barbara CA 93101 www.machinetalker.com Ph: 805-957-1680	info@machinetalker.com Fax: 805-957-1740
---	--