



ABB Smart Sensors Provide
Real Time Monitoring of
Bearing Performance

ABB Smart Sensors for Bulk Material Handling Equipment

KWS designs and manufactures bulk material handling and processing equipment for almost every application. Equipment used in the Mining, Pulp & Paper, Chemical and other industries must operate continuously under extreme conditions. Many bulk materials are abrasive, corrosive and conveyed at very high temperatures. If bearings or gear reducers fail, then the process can be shut down, causing loss of production and profitability.

Bearing failure is a major cause of equipment downtime. Extreme temperature and vibration can be detected at the bearings with ABB Smart Sensors, preventing catastrophic failure and creating an opportunity for prevention of failures.

ABB Smart Sensors are easy-to-use, wireless sensors which monitor the performance of mounted bearings. Data is collected and analyzed so maintenance can be predicted, and failures prevented.

Features

Battery Operated – ABB Smart Sensors are battery operated, with no wiring. Data is transmitted by Wi-Fi to a phone or ABB Gateway.

Simple Installation – Dodge mounted bearings are sensor-ready with threaded installation holes. ABB Smart Sensors are simply threaded into sensor hole. No special tools are needed.

Real Time Data Monitoring – ABB Smart Sensor App can be downloaded to any phone or smart device for constant bearing monitoring.

Benefits

Easy to Use – ABB Smart Sensors are activated by simply pressing the LED activation switch. Battery life is a minimum of 3 years.

Increased Productivity – Bearings are constantly monitored so maintenance and/or replacement can be predicted.

Elimination of Catastrophic Failures – ABB Smart Sensors provide warning of potential bearing failure before failure, saving downtime and loss of productivity.



KWS Manufacturing

3041 Conveyor Drive
Burleson, Texas 76028

Toll Free: (800) 543-6558
Phone: (817) 295-2247
Fax: (817) 447-8528

www.kwsmfg.com



Features & Benefits

ABB Smart Sensors for Bulk Material Handling Equipment



ABB Smart Sensors Provide
Real Time Monitoring of
Bearing Performance



Threaded Sensor Hole is Standard
for All Dodge Bearings



Bearing Temperature and Vibration
is Constantly Monitored



Up to 20 Bearings Can be Connected
to a Single ABB Gateway for Monitoring



KWS Manufacturing

3041 Conveyor Drive
Burleson, Texas 76028

Toll Free: (800) 543-6558
Phone: (817) 295-2247
Fax: (817) 447-8528

www.kwsmfg.com