



WS Series + MH170-2A

Power Pack for Wireless High-Temperature Monitoring

Challenge

When wirelessly monitoring machinery on high temperature machine surfaces, reliability engineers often face a difficult challenge. The machine's elevated surface temperatures can exceed the operating limits of wireless accelerometers, reducing sensor life and compromising measurement reliability.

Solution



WS100, WS200, or WS300 Series
ConnectSens™ wireless sensors,
80 °C (176 °F) maximum temperature



MH170-2A
Accelerometer mounting pad for
high-temperature dissipation and
electrical isolation,
250 °C (480 °F) maximum temperature



What makes this combination especially effective is the MH170-2A mounting pad, engineered with a larger 1.25 in. (31,8 mm) OD to accommodate wireless sensors. Designed for extreme environments, the pad can withstand temperatures up to 250 °C (480 °F) and has demonstrated the ability to dissipate up to 169 °C (336 °F) between the machine surface and the mounted sensor during controlled testing. This allows sensors with a maximum operating temperature of 80 °C (176 °F) to be successfully applied on significantly hotter equipment while maintaining long-term reliability.

Why It Works

- ✓ Protects the accelerometer from excessive machine surface temperatures
- ✓ Extends sensor life in high-heat environments
- ✓ Preserves critical low-frequency vibration measurements on slow-speed assets
- ✓ Allows one solution to address both thermal and measurement challenges simultaneously