ADB Bearing Temperature Sensor Tester
Fires in the Grain Handling Industry
Explosions in the Grain Handling Industry
Bearing failure is one of the leading causes of fires and explosions in the grain industry.
Sensor Body, Probe, Compression Fitting & Wrench

Body

ADB Wrench

ADB Probe
Bearing Temperature Sensor Installed
More and more facilities have installed or are considering the installation of bearing temperature monitoring systems to monitor not only critical bearings, but all bearings within the facility.
“Historical” System Testing

- Simulated Test
- Cold Spray Test
- Shop/Lab Test
“New” System Testing

ADJUSTABLE DEPTH BEARING TEMPERATURE TESTER

Battery Low

ON

OFF

Power

SET

+ 

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- Only for use with 4B ADE style sensors.
- Do not use with any other sensors.
- Refer to operation manual for correct use.

840°F

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Loosen the Sealtite
Loosen Sensor Probe
Insert Sensor Probe into Tester
Heating the Sensor Probe
STOP!
When the HazardMon system that is being tested, incorporates automatic alarm and shutdown recording such as eView, there is a time/date record of the test.

- Real Time System Information From Any Web Enabled Device
- Password Protected Network
- Send Alert Email Notifications
Typical Controls for Hazard Monitoring

Watchdog™ Elite
Single Machine Hazard Monitor

T500 Hotbus™
Multi Machine Hazard Monitor
Typical Controls for Hazard Monitoring

<table>
<thead>
<tr>
<th>Node</th>
<th>HotBus Status by Node</th>
<th>Watch Dog Counter</th>
<th>203</th>
</tr>
</thead>
<tbody>
<tr>
<td>Node 1</td>
<td>Receiving Leg Root</td>
<td>Ambient: 88°F</td>
<td>S11-West Temp: 97°F</td>
</tr>
<tr>
<td></td>
<td>Receiving Leg Head</td>
<td>Ambient: 91°F</td>
<td>S14-East Temp: 92°F</td>
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<tr>
<td>Node 2</td>
<td>Shipping Leg Root</td>
<td>Ambient: 88°F</td>
<td>S15-West Rub: OK</td>
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<tr>
<td></td>
<td>Shipping Leg Head</td>
<td>Ambient: 91°F</td>
<td>S16-East Rub: OK</td>
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<tr>
<td>Node 3</td>
<td>Shipping Belt Pulley</td>
<td>Ambient: 85°F</td>
<td>S29-North Temp: 91°F</td>
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<tr>
<td></td>
<td>Old Side Wet Leg Root</td>
<td>Ambient: 88°F</td>
<td>S30-South Temp: 81°F</td>
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<tr>
<td>Node 4</td>
<td>Old Side Dry Leg Head</td>
<td>Ambient: 90°F</td>
<td>S31-North Rub: OK</td>
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<tr>
<td></td>
<td>Old Side Dry Leg Head</td>
<td>Ambient: 90°F</td>
<td>S32-South Rub: OK</td>
</tr>
<tr>
<td>Node 5</td>
<td>Old Side Wet Leg Head</td>
<td>Ambient: 90°F</td>
<td>S33-DL-East Temp: 95°F</td>
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<td>Old Side Wet Leg Head</td>
<td>Ambient: 90°F</td>
<td>S34-West Temp: 92°F</td>
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<td>Node 6</td>
<td>New Side Dry Leg Head</td>
<td>Ambient: 90°F</td>
<td>S35-West Rub: OK</td>
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<td>New Side Dry Leg Head</td>
<td>Ambient: 90°F</td>
<td>S36-West Rub: OK</td>
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<tr>
<td>Node 7</td>
<td>New Side Wet Leg Root</td>
<td>Ambient: 90°F</td>
<td>S37-West Rub: OK</td>
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<td>New Side Wet Leg Root</td>
<td>Ambient: 90°F</td>
<td>S38-West Rub: OK</td>
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<tr>
<td>Node 8</td>
<td>New Side Wet Leg Root</td>
<td>Ambient: 90°F</td>
<td>S39-West Rub: OK</td>
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<td>New Side Wet Leg Root</td>
<td>Ambient: 90°F</td>
<td>S40-West Rub: OK</td>
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<td>Node 9</td>
<td>New Side Wet Leg Root</td>
<td>Ambient: 90°F</td>
<td>S41-West Rub: OK</td>
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<td>New Side Wet Leg Root</td>
<td>Ambient: 90°F</td>
<td>S42-West Rub: OK</td>
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<td>Node 10</td>
<td>New Side Dry Leg Head</td>
<td>Ambient: 90°F</td>
<td>S43-West Rub: OK</td>
</tr>
<tr>
<td></td>
<td>New Side Dry Leg Head</td>
<td>Ambient: 90°F</td>
<td>S44-West Rub: OK</td>
</tr>
</tbody>
</table>

PLC System
Benefits of ADB Bearing Sensor Temperature Tester

- Fully Tests System:
  - Sensor, Wiring, Alarms and Controls
- No Wiring to Disconnect or Re-Install
- Portable Hand Held Unit
  - Quick and Easy to Use
Testing Full HazardMon System

ADB Tester - Bearing Sensor Testing

SpeedMaster™ - Underspeed Testing

Touchswitch - Belt Misalignment Monitoring & Testing
Thank You!

For More Information, Visit 4B’s Booth’s 755 & 759

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