

StatusCheck™

Wireless Condition Monitoring System

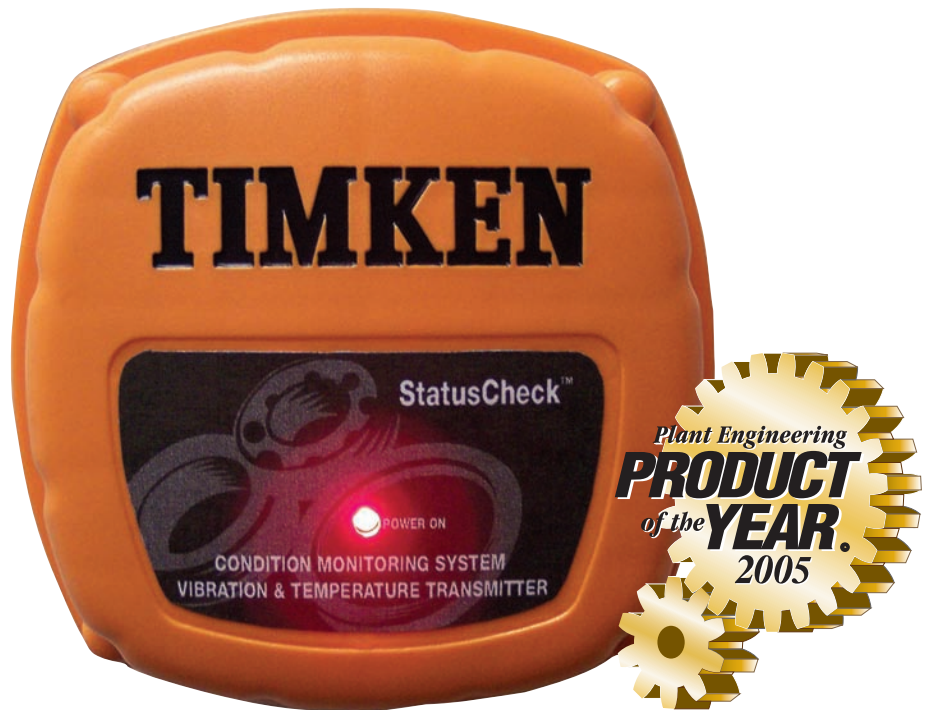
TIMKEN

Where You Turn

The StatusCheck™ condition monitoring system is a unique wireless system designed to detect excessive levels of temperature and vibration that could lead to overheating and breakdown of critical equipment.

Commonly, when a bearing, gear or other critical machine element becomes worn, contaminated, damaged or is lacking lubrication, the component and/or the machine itself will experience an increase in temperature and vibration. The StatusCheck system can accurately sense and report these increases. This allows you to take corrective action prior to failures – helping to prevent machine damage, expensive repairs and prolonged downtime.

StatusCheck is offered in two versions: the standard unit and an intrinsically safe version. The intrinsically safe version comes with its own battery and accompanying circuitry that is incapable of creating a spark that could ignite flammable gas, helping customers ensure a safe and productive work environment.



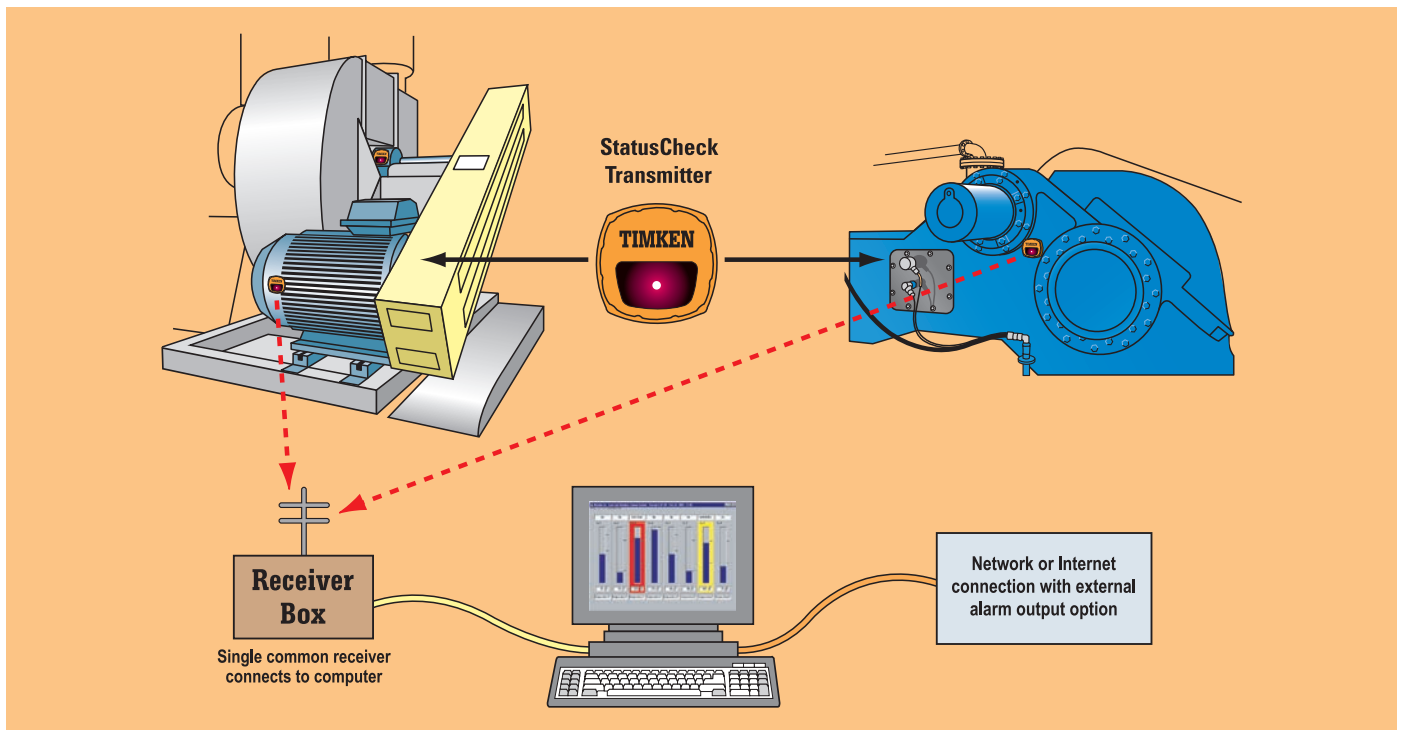
CONDITION MONITORING SOLUTIONS

Features

- Wireless configuration
- Flexible software with adjustable alarm thresholds
- Dual mounting (magnetic or threaded)
- Spring-loaded temperature probe
- Two-axis vibration detection
- Measures ambient temperature
- Industrial-strength packaging
- FCC approved

Benefits

- Economical solution for critical assets, i.e., (fans, pumps, motors and gearboxes)
- Easy installation
- Does not interfere with normal machine operations
- Simple interpretation (no vibration analysis training is required)
- Ideal for early detection of problems on steady-state equipment



The StatusCheck transmitter is self-contained with its own internal power source, electronics and sensors. It attaches directly to the outer frame of a machine and uses wireless RF communications to transmit vibration and temperature readings from the machine.

With this system, multiple StatusCheck transmitters (up to 100) can be in use on one or more machines, all of which send signals back to a common central receiver (see above). This receiver is connected to a PC to display the data and Timken StatusCheck software displays real-time data, logs information and triggers alarms when set points are surpassed. Alarms can generate e-mails that can be routed to pagers, cell phones or personal digital assistants (PDAs) for maintenance notification.

Operating Conditions

- Ambient temperature up to 185° F (85° C) at point of transmission
- Measuring temperature up to 450° F (232° C) at tip of probe
- One-half mile line of sight transmitting range
- 50 G peak shock load measuring capacity
- Physical size: 3.85" x 3.85" x 2.30" (97mm x 100mm x 58mm)
- Transmission rate interval: adjustable (four user-selectable rates)
- Battery life up to three years depending on transmission rate
- Receiver data link: RS-232 (50' cable) or RS-485 (4,000' cable)

For more information on StatusCheck or other Timken sensor and condition monitoring options, contact your Timken sales representative.

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