Wilcoxon
SENSING TECHNOLOGIES

Aerospace
Energy
Measurement

Fan monitoring guide

Key indicators of fan health

- Balance
- Looseness
- Alignment
- Vane pass frequency
- Bearing wear

3 common reasons fans fail

- Imbalance
- Bearing fatigue
- Insufficient lubrication

Protect your fans

- Identify early faults
- Extend equipment life
- Cost-effective predictive maintenance
- Minimize lost production time
- Ensure maximum efficiency of plant operations

Damaged fans can affect various components and processes of critical machinery such as cooling towers. Vibration sensors help to improve the reliability and efficiency of your fans so you can minimize unplanned downtime, reduce operating costs and protect against mechanical damage or failure.

Recommended monitoring solutions

Consideration	Solution	Product
Imbalance	Trend 1X amplitude	786A 786A and iT300
Looseness	Overall monitoring	786A PC420 (4-20 mA) PCH420 (HART)
Bearing	True peak detection	PC420-ATP (4-20mA) PCH420 (HART) iT300 (Tue peak function)

Ideal markets and applications

- Pulp and paper mills
- Power generation
- Manufacturing plants
- Steel mills
- Food processing
- Oil and gas (certified sensors)

KDP Electronic Systems Ltd
Unit 6 Industrial Estate
Station Road
Gamlingay
SANDY Bedfordshire.
SG19 3HB. U.K.
Tel: +44 (0)1767 651058
Fax: +44 (0)1767 651144
Web: www.kdpes.co.uk
E-mail: enquiries@kdpes.co.uk