



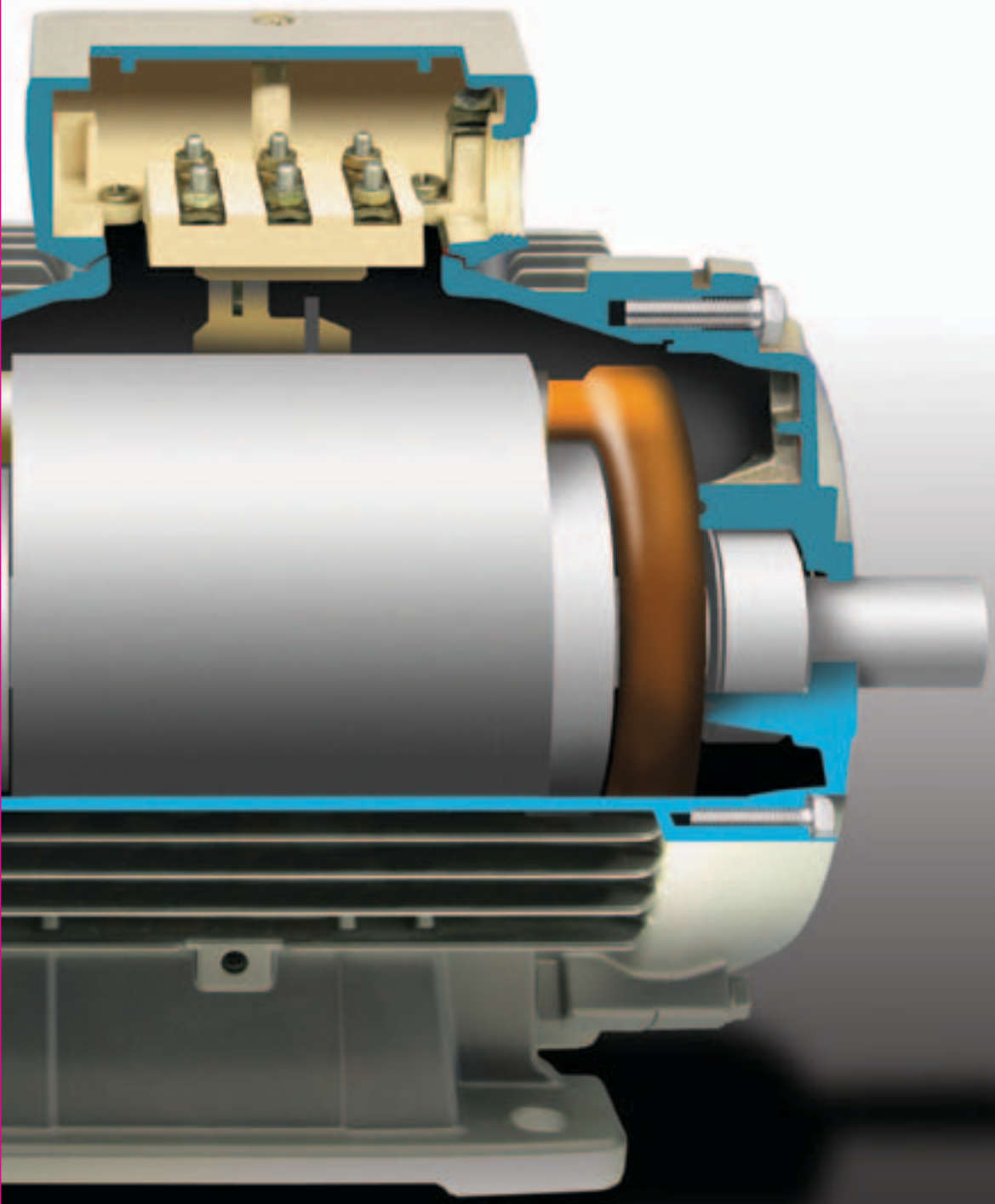
FLUKE®

Fluke 810

New

Take a vibration expert along. Get answers now!

Die Line - DOES NOT PRINT



FLUKE®

Everything you need for machine diagnosis.

Expand data storage and tracking with Viewer application software



The Fluke 810 expands your data storage and tracking capabilities with Viewer PC software for your PC. Use Viewer to:

- Generate diagnostic reports
- Create machine set-ups on your PC, with the convenience of a keyboard and mouse, then transfer the information to the Fluke 810.
- View vibration spectra in greater detail
- Import and store JPEG images and Fluke thermal images for a more complete view of a machine's health

A complete solution

The Fluke 810 Vibration Tester comes complete with everything you need for vibration testing. It includes:

- Vibration tester
- Tri-axial accelerometer, magnet mount, mounting pad kit with adhesive, accelerometer quick-disconnect cable
- Laser tachometer and storage pouch
- Smart battery pack with cable and adapters
- Shoulder strap and adjustable hand strap
- Viewer PC software
- Mini USB to USB cable
- Getting Started Guide, illustrated quick reference guide, Users Manual CD-ROM
- Carrying case



Interactive, self-paced training on DVD

The Fluke 810 Vibration Tester takes the guesswork out of diagnosing common mechanical problems. A more in-depth understanding of vibration can, however, help you and your team prepare for and prevent future issues. Fluke has partnered with Mobius Institute, an industry leader in vibration training, to offer a self-paced training program using award-winning Mobius interactive techniques. Learn more about the basics of vibration and how to fully utilize the features and functionality of the Fluke 810 Vibration Tester.



Fluke. Keeping your world up and running.*

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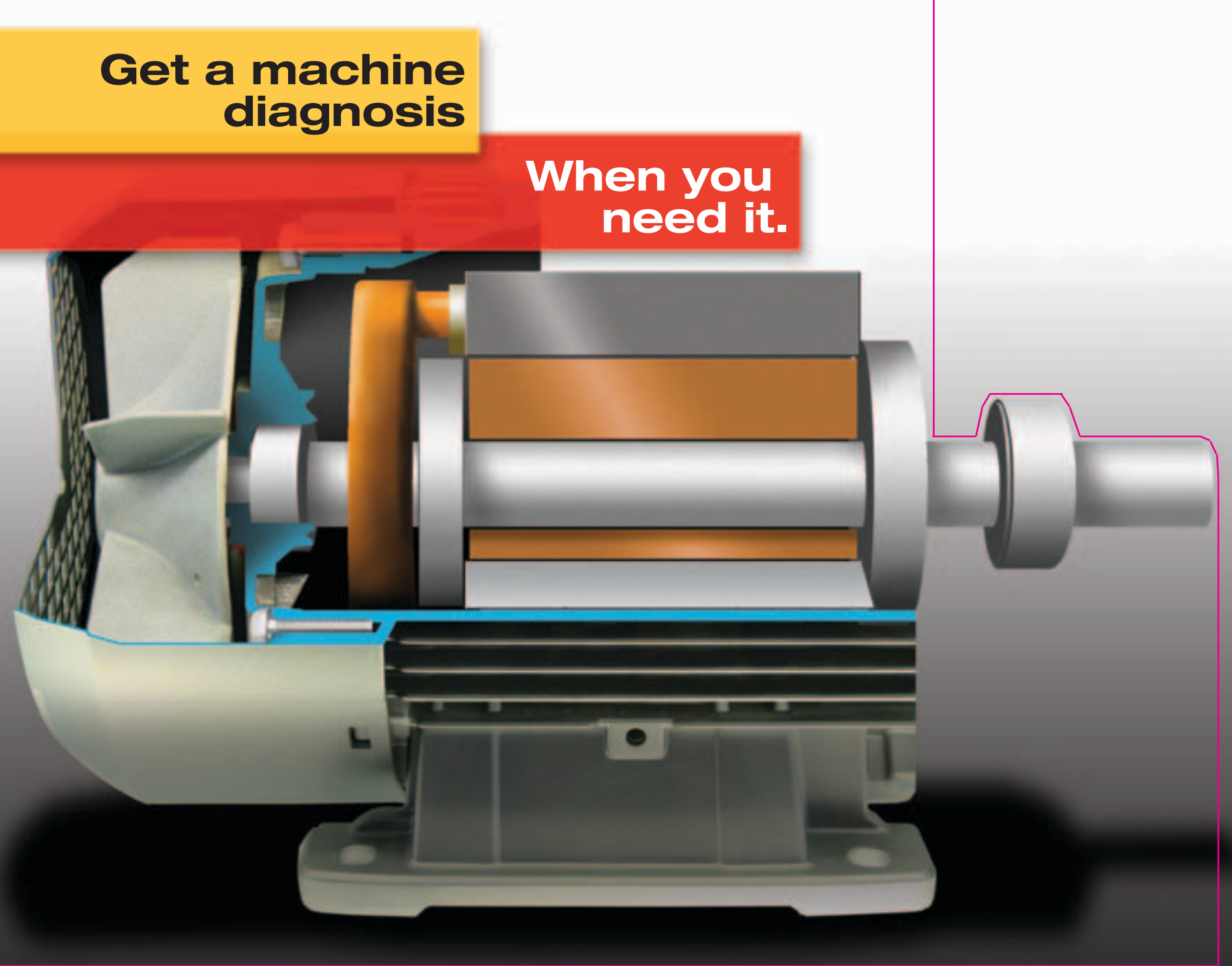
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Get a machine diagnosis

When you need it.



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"It helps me understand the
SEVERITY before critical failure."

Dan G.

Analyze common equipment:

- Motors
- Fans and blowers
- Belts and chain drives
- Gearboxes
- Pumps
- Compressors
- Spindles

Detect the root cause of mechanical failure:

- Bearing problems
- Misalignment
- Unbalance
- Looseness

"It's *EASY*
to use,
so a small
company
like ours
can sort
out all
kinds of
problems."

Marcos J.

Quickly understand machine health and condition severity.

New Fluke 810 Vibration Tester for everyday mechanical maintenance.

Intuitive user interface
is multi-lingual and icon-based so you can use the Fluke 810 right out of the box

Tri-axial TEDS accelerometer
reduces measurement time

Laser Tachometer included
for accurate machine running speed and diagnostic confidence

Fault severity scale
helps you set repair priorities

Viewer PC Software
expands data storage and tracking capacity and imports Fluke thermal images

Repair recommendations
advise technicians on corrective action

On-board diagnostic engine
identifies four common faults: misalignment, unbalance, looseness and bearing condition

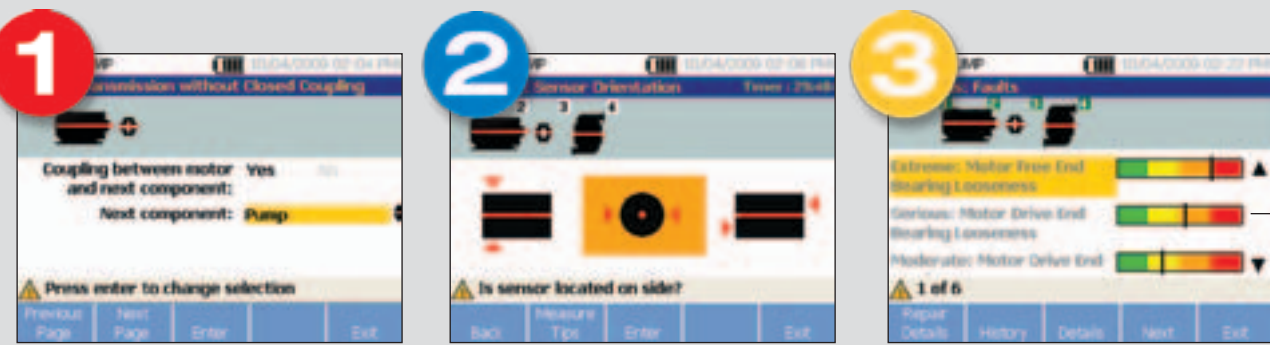
On-board context-sensitive help
for real-time tips and guidance



Simple 3 step process

Fluke 810's unique design and intuitive user interface makes it easy to test machine vibration.

1 **2** **3**



Easy setup

The Fluke 810 asks for basic machine information you already know, like RPM and horsepower. Its onboard *Info* feature gives you field tips for setting up and taking measurements like a pro.

Fast measurement

The Fluke 810 fits easily into your maintenance routine. Use it to quickly troubleshoot problems or monitor machine condition.

Fix it right the first time

With the press of a button, the Fluke 810 identifies the root cause, its location, and the problem's severity. It will diagnose bearing condition, misalignment, unbalance and looseness, the most common mechanical problems faced today.

Assess severity so you can repair critical problems first.



Each machine diagnosis includes a severity assessment on an easy-to-interpret color scale. Four severity levels from slight, requiring no action, to extreme when immediate shut down and repair is recommended, help you set maintenance priorities. Focus on critical problems first and plan monitoring and maintenance for other equipment.

The reliable, affordable answer for plants without predictive maintenance programs
Many facilities can't afford the time, money or manpower for a full predictive maintenance program. While such a program is ideal for longer-term machine health, many maintenance teams simply need answers right now. The Fluke 810 is the most advanced mechanical troubleshooting tool that gives you those answers. Get a fast, reliable diagnosis the first time

you take measurements. You don't need prior measurement history to obtain results. It's easy to use and doesn't require extensive training, or the expense and inconvenience of vibration consultants to interpret complex results. You don't have to wait for an analysis of the data. You'll get the answers you need when you need them.

- Troubleshoot common mechanical problems
- Proactively plan repairs

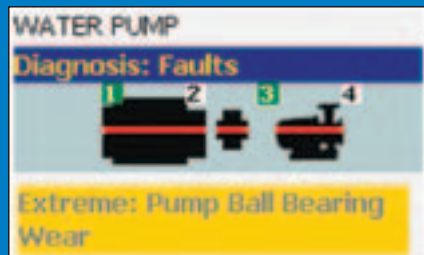
- Confirm repairs after maintenance
- Commission new equipment and ensure proper installation
- Drive investments in repair or replacement with quantifiable proof of machine condition
- Train new or less-experienced technicians and build confidence and skill across the team

"The tool not only
AGREED with my
assessment of
'bearing wear'
but revealed the
ROOT CAUSE:
shaft misalignment."

Victor H.

Breakthrough diagnostic technology

WATER PUMP
Diagnosis: Faults



The Fluke 810's diagnostic technology combines powerful algorithms with a database of real-world measurement experience, making the Fluke 810 the most advanced troubleshooting tool for mechanical maintenance teams. Faults are identified by comparing the vibration data from your machine to an extensive set of rules gathered through real-world maintenance experience with similar machines. Unlike other complex vibration analyzers, the Fluke 810 doesn't require you to collect information over time and compare it to an established baseline. The unique diagnostic technology determines fault severity by simulating a fault-free condition and then instantly compares the incoming data. This means every measurement is compared to a "like new" machine.