



Balancing Made Easy!!!

Machinery Health Monitoring Tools from testproductsintl.com • 800.368.5719

BENEFITS

Easy to use balancing in single and two planes with balancer wizard

Built-in ISO quality grade levels and RPM measurement

Value priced

MIL-SPEC case Automated report generation

Automatic report generator on PC with balancer results + graphs

MARKETS

Commercial/ Industrial HVAC

Food Processing

Manufacturers

Mining

Packaging

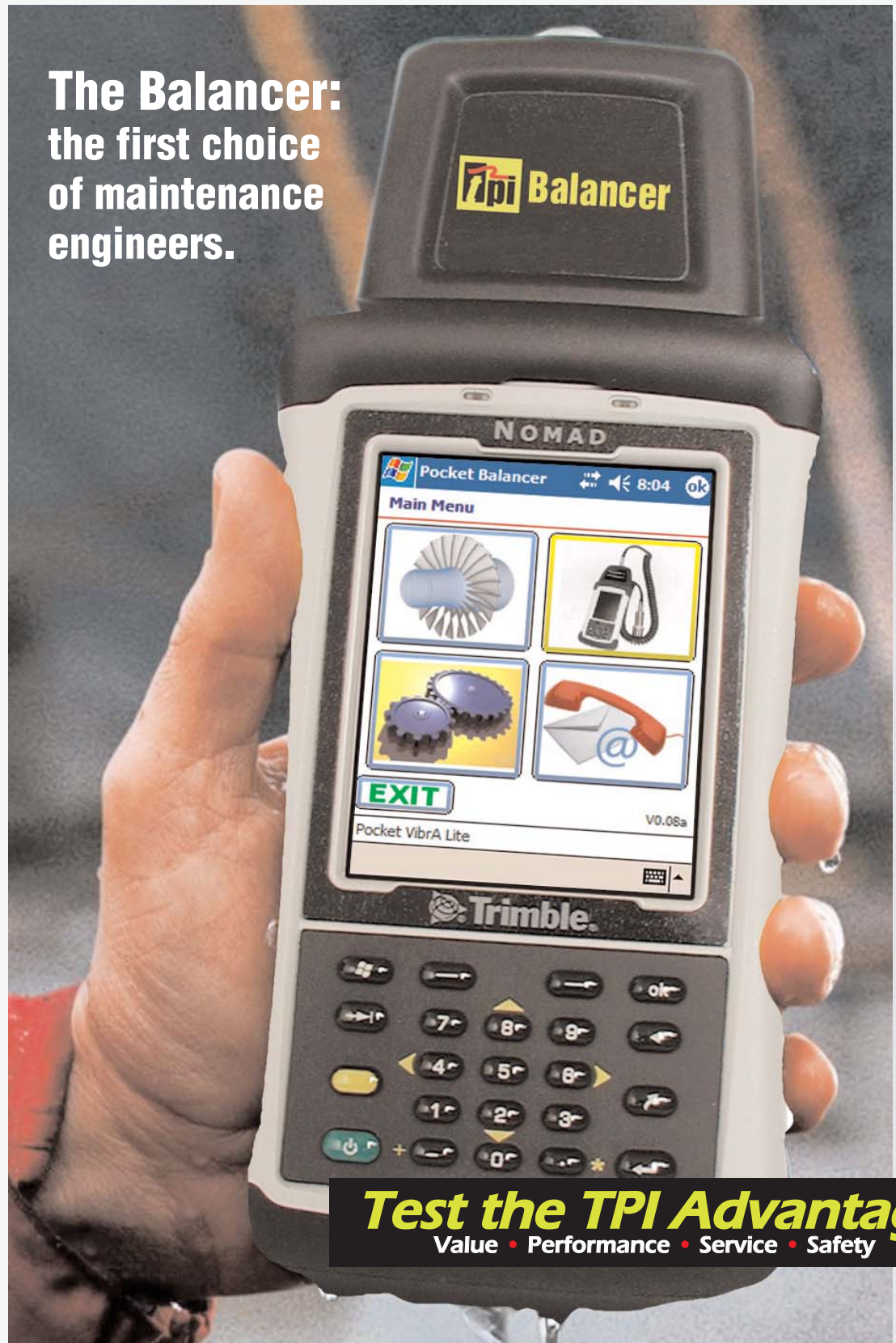
Petrochemical

Printing & Paper Processing

Utilities

Balancer Data Sheet 0911

The Balancer: the first choice of maintenance engineers.



Test the TPI Advantage
Value • Performance • Service • Safety

Specifications

Specifications

Pocket Balancer software functionality:

Balancing wizard

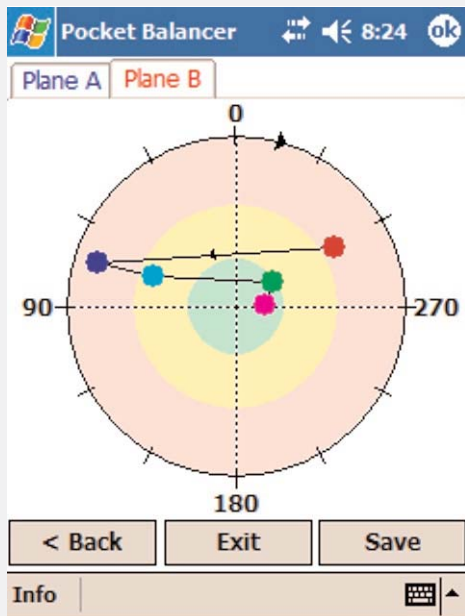
- Single and two plane balancing wizard guides you through the process of balancing.
- Graphical and tabular data representation with color coding.
- ISO 1940/1 quality grade balancing system.
- Saves and Loads balancing sessions.
- Vibration units can be chosen as displacement, velocity or acceleration.
- Metric, Imperial or Custom units of measurement for mass and length.
- Angle measurement with or against rotation.

RPM Measurement

- Measures rotation speed of equipment using optical probe and reflective tape.
- Up to 50,000 RPM with 30° reflective tape cover.
- Display in RPM and Hz.

Trial Weight Calculator:

- Estimates trial weight for balancing process based on rotor weight, rotor speed and radius of trial weight.



Size	8.7" x 3.7" x 1.8" (220 mm x 95mm x 45mm)
Weight	1.1 lb (500g)(not including accelerometer)
Environmental	
Water:	MIL-STD-810F, Method 512.4 IP67 sealed against accidental immersing (1m for 30 min)
Drop:	MIL-STD-810F, Method 516.5, Procedure IV 26 drops from 1.22 m 6 additional drops at -4°F (-20°C) 6 additional drops at 140°F (60°C)
Operating:	-22° to 149°F (-30° to 65°C)
Storage:	-40° to 158°F (-40° to 70°C)
Humidity:	MIL-STD-810F, Method 507.4
Sand & Dust: ..	IP67, Mil-STD-810F, Method 510.4, Procedures I & II
Battery life	Typically 8-20 hours operating time depending on backlight usage.
RPM measurement	10 RPM to 50,000 RPM
Balancing RPM range	60 RPM to 6,000 RPM
Input range	+/- 50g with standard TPI accelerometer +/- 5g with high sensitivity TPI accelerometer
Dynamic range	+/- 50g to +/- 0.01g with standard TPI accelerometer +/- 5g to +/- 0.001g with high sensitivity TPI accelerometer
Rotor Types	4 predefined rotor types for two plane balancing: Symmetrical / Outboard Place / Overhung / Narrow
IOS Quality Grade	G0.4/G1/G2.5/G6.2/G16/G40/G100/G250/G630
Accelerometer Connection	Standard 10 pin IP67 connected smart accelerometer with built-in ID and sensitivity calibration
Vibration Measurement Units	Displacement Velocity Acceleration
Balance View Color coded Readings	Tabular and Graphical data representation Red: above specified limit Green: below specified limit
Options	<ul style="list-style-type: none"> • Carrying case with neck strap • Stylus lanyard