

Rotor Balancing Made Easy



Hyatt Industries Rotor Balancer

Pocket Balancer Measure RPM

3602 RPM

60.0 Hz

Pocket Balancer Plane A Plane B

Pocket Balancer

Run	Amp. [mm/s]	Angle [°]
Initial	9.035	265.5
Trial A	10.271	36.0
Trial B	6.058	30.0
Balance	2.419	269.0
Trim	----	----

Rotor Balance meets the specified ISO quality grade.
Balance Job Done!

< Back Exit Trim

Graph Values



Full specification rugged IP67 handheld rotor balancer
Balances in single and two planes with easy to use wizard
Built-in ISO quality grade levels and RPM measurement
Available as an upgrade kit to Pocket VibrA Pro

**Easy to use low cost condition based maintenance tools -
Now there's simple no excuse!**

Pocket Balancer

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 colour 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	220 mm x 95mm x 45mm
Weight	500g (not including accelerometer)
Environmental	
Water:	MIL-STD-810F, Method 512.4 IP67 sealed against accidental immersion (1m for 30 min)
Drop:	MIL-STD-810F, Method 516.5, Procedure IV 26 drops from 1.22 m 6 additional drops at -20° 6 additional drops at 60°
Operating:	-30° to 65°
Storage:	-40° to 70°
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 6000 RPM
Input range	+/- 50 G's with standard C-Cubed accelerometer +/- 5 G's with high sensitivity C-Cubed accelerometer
Dynamic range	+/- 50 G's to +/- 0.01G's with standard C-Cubed accelerometer +/- 5 G's to +/- 0.001 G's with high sensitivity C-Cubed accelerometer
Rotor Types	4 predefined rotor types for two plane balancing: Symmetrical / Outboard Plane / Overhung / Narrow
ISO 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	Tabular and Graphical data representation
Colour coded readings	Red: above specified limit Green: below specified limit
Options	<ul style="list-style-type: none">• Carrying case with neck strap• Stylus lanyard