



Model 214 Vibration Analyzer/Balancer

Features:

Model 214 Vibration Analyzer/Balancer is an all-purpose vibration analyzer and a single- and two-plane dynamic balancer for fans, rotors, shafts, grinding wheels, spindles, and other rotating machinery. The 214 features a high intensity strobe light for phase detection and maintenance troubleshooting of belts, bent shafts, misalignment and other mechanical problems. The 214 is a basic economical tool for service and maintenance shops.

The optional Balmac Balancing Calculator allows operators to enter unbalance amounts and angles. The calculator automatically provides the correct balancing solution. Ask the factory for more information.

Model 214 Kit#1 Includes:

Model 214 Analyzer/Balancer
Strobe Light and Strobe Light Cable
Model 158 Pickup and Pickup Cable
Model 055 Magnetic Base Clamp
Manual and Calibration Certificate
"B" Book Guide to Single Plane Balancing
Vibration Severity Wallet Card
Optional: Balmac Balancing Calculator



Specifications:

AMPLITUDE RANGE:

English: 0.03, 0.1, 0.3, 1, 3, 10, 30, 100 mils (peak-to-peak) Displacement, in/sec (peak) Velocity

SENSITIVITY:

Displacement: 0.001 mil (0.000001 inch)
Velocity: 0.001 inch/sec

ACCURACY: 5% of Full Scale

FREQUENCY

RANGE: 150 to +200,000 rpm (2.5 to +3333 Hz)

DISPLAYS: Amplitude Meter (Analog) 2 Scales:

0 to 10 Full Scale Top
0 to 3 Full Scale Bottom
RPM Meter 4-digit LCD

POWER: 105 to 125 VAC, 50/60 Hz.

TEMPERATURE

RANGE: 32° to 122°F (0° to 50°C)

ENVIRONMENTAL: Relative humidity 0-95% non-condensing

VIBRATION

INPUTS

STROBE LIGHT

Two

One flash per cycle to 4800 RPM

Submultiple to 200,000 RPM

DIMENSIONS

8 1/4" x 12 1/2" x 7 1/2"

(21 x 32 x 19 cm)

WEIGHT

8 1/2 lbs (3.85 kg)

ACCESSORIES

Model 297 Strobe Light

Model 158 Pickup

Magnetic Pickup Base

Cables

OPTIONS

Balmac Balancing Calculator



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