



# Model 222-D Vibration Profiler Analyzer Balancer

## Features:

Model 222-D Portable Vibration Profiler Analyzer Balancer is a sweeping frequency analyzer and X-Y recorder that provides permanent records of vibration amplitude versus frequency. The portable unit is ideal for shop or field maintenance and balancing.

As a vibration analysis recorder, the 222-D can sweep a spectrum from 0 to 2000 or 2000 to 200,000 RPMs. Vibration records are plotted on 8 ½ by 11 calibrated chart paper for storage and comparison.

As a balancer, the 222-D provides single or two plane balancing. Operators can provide before and after vibration records for customers.

The easy-to-use Balmac Balancing Calculator automatically provides the correct balancing solution for single-plane, two-plane and segmented balancing problems. Ask the factory for more information about this optional accessory.



## Model 222-D Kit#1 Includes:

Model 222-D Analyzer/Balancer  
Strobe Light and Strobe Light Cable  
Model 158 Pickup and Pickup Cable  
Model 055 Magnetic Base Clamp  
Model 051-20 Probe Tip (7")  
Model 036 Carrying Case  
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 and g's (peak) Acceleration

### SENSITIVITY:

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

ACCURACY: 5% of Full Scale

### FREQUENCY

RANGE: 200 to 200,000 rpm (2.75 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 LED

### POWER:

117 to 220 VAC, 50/60 Hz or internal battery.

### TEMPERATURE RANGE:

32° to 122°F (0° to 50°C)

### ENVIRONMENTAL:

Relative humidity 0-95% non-condensing

### VIBRATION

### INPUTS DIMENSIONS

Two (for Model 158 pickup)  
7" x 15" x 21"  
(18 x 38 x 53 cm)

### WEIGHT

### Unit, accessories & case ACCESSORIES

26 lbs (11.8 kg)  
Model 296 Strobe Light  
Model 158 Pickup  
Magnetic Pickup Base  
Probe Tip  
Cables  
222-D Case & Accessory Case  
Profile Charts and Pens  
Balmac Balancing Calculator

### OPTIONS