

Model 4216 Vibration Analyzer with LED Strobe

Features:

Model 4216 Vibration Analyzer with LED Strobe Light is a portable tunable filter vibration analyzer that uses standard 100 mV/g accelerometers. It provides direct vibration measurements in velocity, displacement and acceleration. The complete package is powered by either the internal rechargeable battery or by 115 / 230 VAC shop power. Operators can use the 4216 to troubleshoot vibration problems or provide on-site dynamic balancing using the LED Strobe light for fans, motors, grinding wheels, spindles, crushers, and other rotating machinery.

Model 4216 Includes:

Model 4216 Vibration Analyzer
Model 601 Pickup and 15' Pickup Cable
Model 052 Magnetic Base Clamp
Model 298 LED Strobe Light
Model 060-15 LED Strobe Cable
Model 108 Magnetic Strobe Base
Model 037P Carrying Case
Manual and Calibration Certificate

Specifications:

AMPLITUDE RANGE: 0.03, 0.1, 0.3, 1, 3, 10, 30, 100 English mils (peak-to-peak), inches per second (peak) and G's (peak) full-scale

MINIMUM SENSITIVITY: Displacement 0.000001 inch
Velocity 0.001 inch per second (ips)
Acceleration 0.001 G's

ACCURACY: 5% of Full Scale

FREQUENCY RANGE: 200 to 200,000 RPM (Total over 3 ranges)

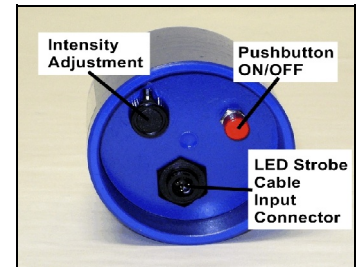
TUNABLE FILTER: Range X1: 200 to 2,000
Range X10: 2,000 to 20,000
Range X100: 20,000 to 200,000

OUTPUTS: Scope Signal: 1V p-p for FS amount meter
Counter Signal: Pulse +12V
Strobe: Model 298 LED Strobe Light

INPUTS: 2 for ICP 100 mV/g Accelerometer Pickups
Balmac Model 601 Accelerometer



LED Strobe Light Side View



LED Strobe Light Back with callouts.

POWER: Line Voltage 115 / 230 VAC, 50/60 Hz
Internal Battery 12 VDC

BATTERY: Rechargeable Sealed Lead Acid
Operating Time: 10 hours
Recharge Time: <24 hours

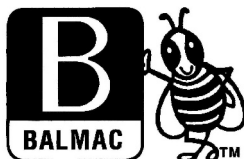
OPERATING TEMPERATURE: 32° to 122°F (0° to 50°C)

STORAGE TEMPERATURE: -40° to 122°F (-40° to 50°C)

DIMENSIONS: 11 3/4" x 6 3/4" x 9 1/4" (30 x 17 x 24 cm)

WEIGHT: Unit Only: 10 lbs (4.5 kg)
Complete Package: 20 lbs (9 kg)

OPTIONS: Balmac Balancing Calculator BAL-CP



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