



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)

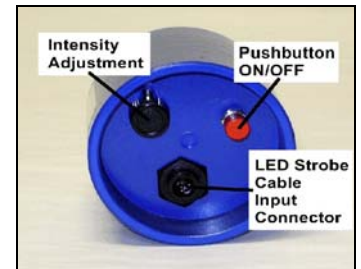
TUNABLE FILTER: Range X1: 200 to 2,000
 Range X10: 2,000 to 20,000
 Range X100: 20,000 to 200,000

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: 30 hours
 Recharge Time: <10 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