

Model 401 Vibration Monitor

Description:

The Model 401 Vibration Monitor provides continuous vibration monitoring for rotating equipment operating at speeds from 120 to 120,000 RPM. Vibration amplitude is displayed on a large analog meter in Velocity (in/sec) or Displacement (mils).

The Model 401 uses one or two Model 158 Vibration Pickups to monitor one point or two points simultaneously. It automatically reads the higher vibration level of the two pickups. A vibration level that exceeds a preset limit from either pickup will trip a relay for either warning or shutdown.

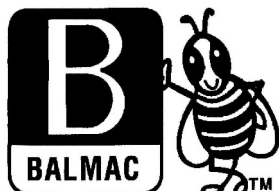
Features:

- Monitors Velocity and Displacement
- Continuous Display
- Monitors Two Pickups
 - (Levels of either pickup can be read)
- Two Setpoints - Level 1 and Level 2
- Adjustable Time Delay Prevents False Alarm
- 120 to 120,000 RPM
- .01 to 100 Mils or In/Sec Amplitude Range

Specifications:

PICKUPS: One or Two Model 158 Velocity Pickups
ACCURACY: 5% of Full Scale
FREQUENCY RANGE: 120 to 120,000 RPM
DISPLAY: Analog: 0 to 10 upper scale
0 to 3 lower scale
FULL SCALE: 0.1; 0.3; 1; 3; 10; 30; 100
RECORDER OUTPUT: 0-1 Vdc for 0 to F.S. reading
RELAY ACTION: 2 Relays - Limit 1 and Limit 2
Form C Contacts - 3 A 110 Vac
Latch or Non-latch

LIMIT SETTINGS: (2) Limit 1 & 2 (10 - 100% FS)
TIME DELAY: (2) Limit 1 & 2 (1 to 10 sec)
POWER: 115 V 60 Hz .5 Amp
TEMPERATURE RANGE: 32° to 122°F (0° to 50°C)
ENVIRONMENTAL: Relative humidity 0-95% non-condensing
DIMENSIONS: Unit 8" H x 6" W x 6" D (20 x 15 x 15 cm)
WEIGHT: 10 lb (3.7 kg)



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