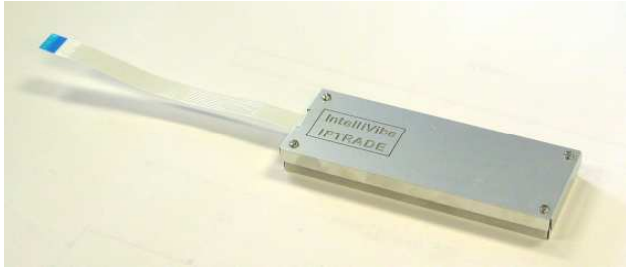


# IntelliVibe® Vibration Diagnostic System

## Technical Specifications



### Actuators

#### Interface Connector Characteristics

- ◆ External cooling attachment in place of #2-56 screws
- ◆ Two options for connection to IntelliPower
  - RJ45 connector for quick connection (not shown)
  - 10 position flex connector (FPC/FFC 1mm) for thinner actuator (shown)

#### Input

- ◆ Signal and power from IntelliPower

#### Output

- ◆ In-plane force along the actuator perimeter
- ◆ LED signals (optional)

#### Force Out per Volt In

- ◆ Short dimension: 56.0520 N/Volt
- ◆ Long dimension: 21.1680 N/Volt

#### Dimensions

- ◆ RJ45: 113 x 42 x 21mm or 4.45 x 1.65 x 0.80 In
- ◆ Flex: 113 x 42 x 14mm or 4.45 x 1.65 x 0.55 In



### IntelliPower

#### Interface Connector Characteristics

- ◆ 6 RJ45 to actuators
- ◆ 2 BNC for input signals
- ◆ RJ45 for 48VDC

#### Input

- ◆ 48V, 420mA from Power-over-Ethernet converter
- ◆ 2 Signals from function generator
  - ◆ 0—500Hz band
  - ◆ 0—5.0Volt or -2.5—2.5Volt amplitude
- ◆ Bias switch (-5 to 5 or 0 to 5V)
- ◆ 2 Switches: on/off for each channel

#### Output

- ◆ Diagnostic signal to actuators
- ◆ 48V power supplied to actuators
- ◆ Green/Yellow LED's indicating power and signal

#### Dimensions

- ◆ Millimeters: 100W x 225L x 38H (45H with feet)
- ◆ Inches: 4W x 9L x 1.5H (1.75H with feet)

# IntelliVibe<sup>®</sup> Vibration Diagnostic System

## Technical Specifications



### System Components

#### Actuators (\$1005 each)

Piezoceramic (PZT) transducers with collocated 40X gain amplifier

#### IntelliPower (\$1642)

Power and signal distribution system  
120 VAC to 48 VDC POE injector

#### Accessories (\$283)

Cables connecting all components  
Electrically releasing epoxy

### Price per system

6 Actuators, 1 IntelliPower, Accessories

1 to 5 systems: \$7,953

6 to 50 systems: \$7,460

51 or more systems: \$5,925



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