

**DYNAMIC
INSTRUMENTS**

DI-306 PDA

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PORTABLE DIAGNOSTIC ANALYZER (PDA)

The DI-306 is a ruggedized, multi-channel, FFT vibration analyzer used for predictive maintenance and on-site data collection system troubleshooting. The analyzer can accept maintenance routes and captures multiple points or vibration information. The DI-306 is an ideal maintenance tool to assist in solving vibration related problems on any rotating machinery.

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VERSATILE AND FLEXIBLE

- Compatible with most vibration transducers including single axis and triaxial accelerometers, velocity pickups and displacement probes
- DC and AC signals can be processed for predictive maintenance trend analysis
- User selected units of measure

• Auto Amplitude Scale Formats: (English or Metric)

- Acceleration
- Velocity
- Displacement
- AdB
- Vdb

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POWERFUL AND PORTABLE

- Large, high resolution display
- LCD backlit screen provides exceptional clarity and viewing in low light conditions
- Battery operated

• Standard Accessories:

- Heavy Duty Carrying Case (with shoulder strap)
- Battery Charger Power Cord
- Instruction Manual



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DI-306 PDA Specifications

- **Input Signals:**
 - Charge Coupled 10-100 pC/g
 - Voltage (Single Axis or Triaxial) 10-100mV/g
 - Tachometer 50 mV-5Vp-p/3Hz-1kHz(TTL Level)
 - AC Signal +-Vp-p
 - DC Signal +-20V (ICP Power Selectable On or Off)
- **Frequency: (Displays in Hz or RPM)**
 - Ranges – 0 Hz to:
 - 100 1000 10,000
 - 200 2000 20,000
 - 500 5000 30,000
 - Orders 5,10,20,40,50,100,200 orders
 - Dynamic Range: 70 db
- **Memory:**
 - 64 KB
 - Static RAM (non-volatile) 2 MB
 - Stores in excess if 1750 FFT spectra
- **Output Signals:**
 - Modem Interface 300-9600 baud (RS232C Serial Port)
 - Monitor (BNC Connector) 1 Vp-p=F.S.
- **Power:**
 - 12 VDC Rechargeable Battery
 - 115 VAC 60 Hz Charger (operates while charging)
 - Auto Power Management
- **Dimensions:**
 - 8.5" long x 11.5" wide x 2.4" deep
- **Weight:**
 - 8.4 lbs
- **Environmental:**
 - 10-120°F @ 95%RH



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