- Wireless hookup to equipment, no power required.
- Multiple functions: hour meter only, or with Service Reminders, cycle counter, timers, and more!
- Mode button to access and reset functions after maintenance is performed.

GDI Vibration Activated hour meters are the solution for monitoring equipment run time without including road travel*. The meter is wireless and simply mounts on any equipment that requires monitoring of run hours, maintenance service reminders, cycle counting, and timers. This product is perfect for equipment without power, or where wiring is not feasible. Knowing equipment run time, what to service and when to service is the key to a successful maintenance program!

Features at a glance:
- Only counts equipment run time by filtering out road travel
- Wireless hookup and easy mounting
- Mode button to toggle through functions or reset functions.
- Total run time Hour meter
- 2 Timers with reset option
- 3 Service Alerts with Break-in interval and reset options.
- Cycle counter
- Power up message
- Power down message
- Stock and customer messages
- LCD Display always lit
- 100% Environmentally sealed

Mode Button
- Simple Mode button toggles through available functions (also used to reset functions)
- Mode button is sealed and tested for the harshest environments

Hour Meter & Timers
- Total run timer counts in tenths, then whole hours up to 99,999 hours (non-resettable)
- Timer1 & Timer2 counts in tenths, then whole hours up to 99,999 hours (can be resettable or non-resettable)
- Resolution 0.1 hours

Flash Alert Option
- Three (3) Service Alerts (1 to 9,999 hour interval)
- One time Break-in interval option for each alarm (1 to 999 hours)
- Service Alarms can be resettable or automatic on/off reminders
- Interval sync up option so multiple services come due at the same time
- Flash Alert trigger: (OEM can decide when to flash alerts on LCD regardless of what mode the meter is in, plus how often to flash).
- View hours remaining in the Service intervals
- Standard and custom messages available.
  *Note: Service alerts are count down intervals (run hours). The interval is the amount of run time until a service is due (Example, Change Oil every 25 hours). After the interval countdown is reached, the LCD will show to service "NOW".

Event Counter
- Counts equipment power up cycles
- Can be viewed automatically when equipment is powered off
- May be factory programmed as a mode and viewed when toggled to by the Mode button (reset option available).

Power up or Power down message
- Messages can be displayed on the LCD at power up or power down of the equipment.
- The OEM specifies the message and how many times the message is repeated.
  *For Example: on power up, display "SEAT BELT" three times (repeat can be 1-15 times).

Environmental Specifications

- Meter power supply: Internal lithium battery - 3 volt (Li-Mn02)
- Battery Life: >12 years
- Encapsulation: Internals 100% encapsulated
  - » Input: Vibration sense
  - » LCD: Automotive Grade
  - » VA (Viewable Area): 12.7mm X 25.4mm
  - » Digit Height: 6mm
  - » Digits: 6
  - » Type: Positive Mode, TN
  - » Fluid: High Temp
  - » Polarizer – Rear: High Temp Reflective
  - » Polarizer Front: High Temp, Transmissive (antiglare)
  - » Viewing Angle: 6 o'clock
  - » PCB – LCD connection: DIL pin soldered to PCB
- Logging Response Time:
  - » Log ON: 7 seconds
- Accuracy: +/- 0.01 % @ 25C
- Rear housing: ABS –black housing with Acrylic clear housing
- Mounting – Screws, Velcro or Double sided tape.
- Weight: 0.95 oz, (27g)

Part number example (hour meter only) : N151-0101-0174

Tests and Certifications:

- Emissions: (CISPR11:2003 + A1:2004, Group1)
  - » Radiated: Class B
  - » Line Conducted: Class B
- ESD (Cenelec EN61000-4-2:1995+A1:1998+A2:2001)
  - » +/-4kV contact
  - » +/- 4kV air
- Electromagnetic Field Immunity: (Cenelec EN61000-4-3:2002)
  - » 3V/m (80MHz – 1GHz)
  - » 3V/m (1.4GHz – 2GHz)
  - » 1V/m (3V/m (2.0GHz – 2.7GHz)
- Conducted RF: (Cenelec EN61000-4-6:2007)
  - » 150kHz to 80MHz 3Vrms, 1kHz 80%AM
  - » Magnetic Fields: (Cenelec EN61000-4-8:1993+A1:2001)
  - » 3A/m at 50Hz

OEM Options

- Vibration sensitivity and filtering options.
- Functions resettable, non-resettable, or automatic on/off
- Selectable Service alarm intervals and warning options
- Custom Printing and Logo
- Packaging: Carded, individual box, bulk in trays or special kits.
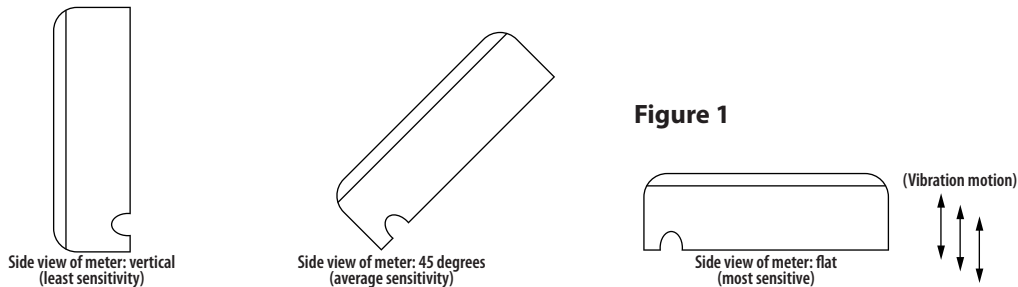
Installation:

1. Find a convenient mounting location per desired sensitivity in Figure 1; Note that Figure 1 is a guideline, and that some experimentation maybe required to determine the optimum mounting position. Do Not mount the meter were the surface temperature exceeds 125F. (as a general guideline, if you can place your hand on the mounting surface without discomfort while equipment is at full operating temperature, then it will be suitable to mount the meter in that location).
2. Mount the meter with screws, double sided tape, or Velcro. If using screws, use the meter to make a template for drilling holes with 7/64" drill (see Figure 2 for mechanical dimensions). **DO NOT DRILL** into **GAS TANKS** or **ENGINE CRANKCASE:** If in doubt, contact your dealer.

Operation:

1. Enabling Meter: As received, the meter will display the model code until enabled. To enable meter, press and hold the button for approximately 6 seconds, until the display shows "0000.0"
Note 1: A short button press and release is used to toggle through menu functions.
Note 2: The RPM function is required to filter out road noise. Therefore, an RPM display mode will appear as one of the display functions as the mode button is cycled. In some applications an accurate RPM signal may be detected through vibration, but in most cases the user is advised to ignore this function

Figure 1

Side view of meter: vertical (least sensitivity)

Side view of meter: 45 degrees (average sensitivity)

Side view of meter: flat (most sensitive)

(Vibration motion)

*Note: All equipment, vibration levels, and vibration direction are unique. This meter is designed to filter out most road travel and count actual equipment run time, but may require trial and error per the application.
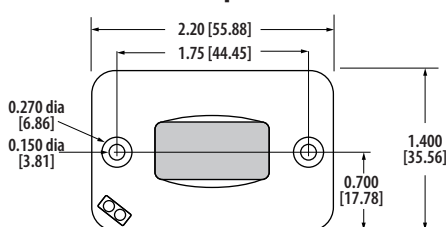
Mechanical Specification

Figure 2

2.20 [55.88]
1.75 [44.45]
0.270 dia [6.86]
0.150 dia [3.81]
1.400 [35.56]
0.700 [17.78]
0.625 [15.88]