

## On-Site Vibrator Quality Control

# Zero Time Box

## For Fast Timing Analysis

Zero-time Box is designed to compare start times of Encoder and vibration source controllers such as Force II, Force III, Inova Vib Pro™, Sercel 464, as well as Encoder and dynamite source controllers including Boom Box, Boom Box III, Inova Shot Pro™. It can be used as a 5 channel precision measurer of timing intervals.



### Features:

- No setup required
- Works with any vibrator electronics or dynamite source controllers
- Simply connect Time Break of one Encoder and Time Breaks of five Decoders
- Full galvanic isolation between channels
- Automatically determines slope of the pulses (rising or falling)
- High precision of measurement
- Visual representation of results on the display
- Autopower off if not used
- Easy Operation:
  - "Red Button" powers up system
  - "Black Button" arms and controls operation of Zero Time Box
  - Trigger the recording system
  - And Read the Results!

### Benefits:

- Useful for Every Project
- Quickly checks start times for five controllers
- Handy built-in rechargeable battery for portable operation
- Includes power cable for 12 Volt operation in the office
- Assures clients that vibrators start and run correctly

### Zero Time Box System Includes:

- Five Channel Zero Time Box
- Battery Charger (for internal battery)
- Power Cable (for using external power)

## Zero Time Box Specifications

Electrical	
Measuring range of timing intervals	-32000 to +32000 microseconds
Timing Accuracy	±1 microsecond
Minimum Trigger Voltage	3V (rising or falling edge)
Maximum Trigger Voltage	10V (rising or falling edge)
External Power	10-16V, 150mA
Internal Rechargeable Battery	12 hours of continuous operation

Physical	
Number of Channels	6: 1 Encoder plus 5 Decoders
Temperature	-4°F to +120°F (-20°C to +50°C)
Humidity	95% non-condensing
Size	7.48" x 4.84 x 2.56" (190 x 123 x 65 mm)
Weight	2.6 lbs (1.18 kg)

