

On-Site Vibrator Quality Control

Zero Time Box

For Fast Timing Analysis

The Zero-Time Box is designed to compare the start times of source units with the recording system. It is compatible with every source encoder that outputs a start signal on a BNC connector, and also supports every source controller and decoder that does the same. The Zero-Time Box can also be used as a 5 channel precision measurer of timing intervals.



Features:

- No setup required
- Works with any recording system
- Works with any source electronics that provides a low-voltage start signal
- 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
- Handy built-in rechargeable battery for portable operation
- Includes power cable for 12 Volt operation in the office
- Unit automatically powers off if not used

Benefits:

- Useful for every project
- Quickly checks start times for five controllers
- Assures clients that sources start with the recorder

Zero Time Box System Includes:

- Five Channel Zero Time Box
- 110/240VAC 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 total: 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)

Easy Operation:

- Connect the Time Break to the Encoder and Time Break channels to the Decoders
- "Red Button" powers up system
- "Black Button" arms and controls operation of Zero Time Box
- Trigger the recording system
- And Read the Results!

