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)

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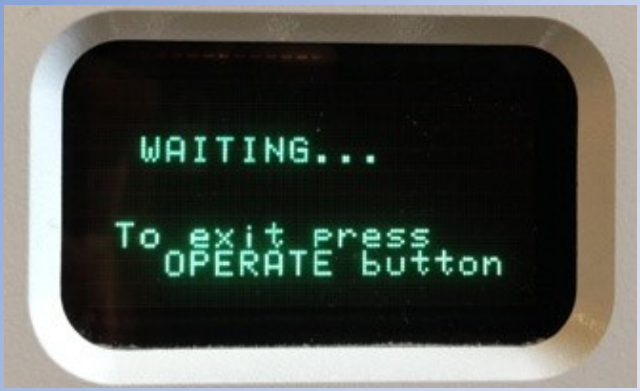
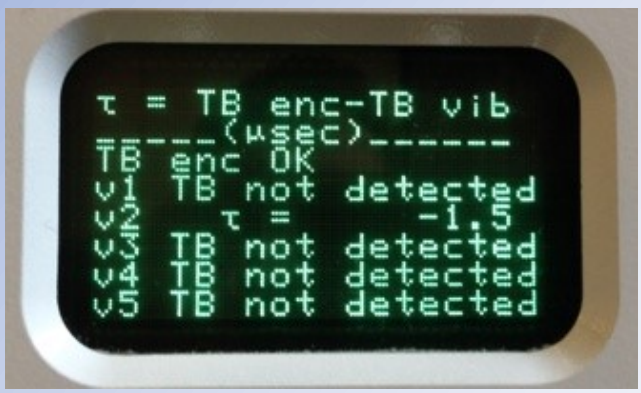
Easy Operation:

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!





Zero Time Box Specifications

Electrical			Physical	
Measuring Range of Timing Intervals	-32000 to +32000 microseconds		Number of Channels	6 total: 1 Encoder plus 5 Decoders
Timing Accuracy	±1 microsecond		Temperature	-4°F to +120°F (-20°C to +50°C)
Minimum Trigger Voltage	3V (rising or falling edge)		Humidity	95% non-condensing
Maximum Trigger Voltage	10V (rising or falling edge)		Size	7.48" x 4.84 x 2.56" (190 x 123 x 65 mm)
External Power	10-16V, 150mA		Weight	2.6 lbs (1.18 kg)
Internal Rechargeable Battery	12 hours of continuous operation			