

The **VBX Vibration Strobe** is uniquely designed to provide precise, instantaneous synchronization to a number of data collectors and FFT analyzers triggered by an accelerometer. Built for portable applications, the **VBX** is the perfect lightweight phase analysis tool. **VBX** allows for the measurement of phase without stopping the machinery to install reflective tape. Phase analysis is quick and accurate using the filter bandwidth selector and the relative phase adjustment. Unique "Tracking Filter" maintains phase lock to input pulse. **VBX** can power and be triggered by accelerometers with or without data collectors.

**Features:**

- Compatible with CSI and SKF analyzers
- Direct triggering from accelerometers
- Tracking filter maintains phase lock
- NIST traceable certificate included

**Specifications**

Flash Range:	30-50,000 FPM (flashes/minute) 0.5-830 FPS (flashes/sec.) (Hz)
Accuracy:	±0.002% of setting ± least significant digit
Digital Adjustment Knob:	36 detents per revolution and blinking decade selection
Flash Rate Resolution:	0.01 to 1.0 FPM (menu selectable)
Operating Time:	2 hours typical @ 1800 FPM or continuous AC power
Phase Delay:	0.1 to 359.9 degrees
Tracking Filter:	Selectable Wide and Narrow Bandwidths. Filter may not lock below 100 FPM
Time Delay:	0.01 to 1000 msec.
Virtual RPM (Slow motion):	0-200 VRPM
Flash Energy (Typical):	230 mJoule up to 3450 FPM
Flash Duration (Typical):	8-20 µsec
Average Power:	11W @ 3000 FPM; > 13W @3450 FPM
Tachometer Mode:	5-250,000 RPM from external trigger
External Input:	Input pulse - 0.5 µsec min, TTL to 24V max (1/8" phone plug)
Trigger Output/Remote Sync:	3.3V TTL compatible 40 µsec pulse positive/negative
Power:	Internal rechargeable NiMH batteries with AC power supply/recharger
Weight:	1.9 lbs. (0.85 kg) including batteries



**Contact:**  
 Industrial Process Measurement, Inc.  
 3910 Park Avenue, Unit 7  
 Edison, NJ 08820  
 732-632-6400  
 support@instrumentation2000.com  
 http://www.instrumentation2000.com