



Vib Pro™ Vibrator Control System

- New digital technology provides higher-speed processing for greater accuracy and reliability
- Integrated GPS option for navigation and position information
- Integrated source signature recording option
- Reliable telemetry for guaranteed reception of all QC data
- Accurate and versatile sweep generation
- Improved force and phase-locking capability
- Advanced digital control for accurate and reliable performance
- Vib Pro unit easily programmed as encoder or decoder
- Processor speed over 100 times faster than the Advance II series
- 1/4-millisecond sampling
- Digital-coded transmission provides error detection and correction of poor radio transmission
- Automatic re-transmission and redundant storage of QC data eliminate missed records
- RTI option provides serial communication link for major recording systems
- Stores 16 different keyboard sweeps; up to 16 different segments for each sweep
- Cosine or Blackman up and down tapers are selectable in 1-millisecond increments
- Sweep-sampled values are saved on PCMCIA flash memory card



The Vib Pro system incorporates many new innovations and adaptability to diverse applications. The Vib Pro is capable of operating in encoder or decoder mode and as a Shot Pro™ encoder. With the addition of the computer communication card (CCC) and a computer, the Vib Pro is expanded with a full line of Pelton's software applications. Such programs include the Encoder program, Sweep32, VibQC32, Stored 32, and VPKOP. With the option of internal/external GPS, the Vib Pro provides accurate timing and GPS-positioning information as well as supports driver navigation to source flags and real-time GPS navigation display with the optional computer.

Specifications

INPUT/OUTPUT, INC.

Physical Characteristics

Height (without shock mounts)	330 mm (13.00 in)
Length (without shock mounts)	286 mm (11.25 in)
Width (without shock mounts)	140 mm (5.50 in)
Weight (without shock mounts)	9.5 kg (21.0 lb)
Operating temperature range	-40°C to +60°C (-40°F to +140°F)

Voltage Input

9 V_{dc} – 36 V_{dc}

Power

36 W

Frequency Range

1 Hz – 500 Hz

Accuracy

Clock	Automatically adjusted to 0.1 ppm
Start-time	±20 ns
Start-time repeatability	±5 ns
Fire-to-time-break accuracy	±1 ns

Maximum Number of Vibrators

32

Accelerometer

Sensitivity	25 mV/g ±2%
Range	±380 g

Limited Warranty Period

1 year

Ordering Information

Vib Pro

Decoder system	P/N 105-000004	<i>Please, specify the lengths of the external cables to be used.</i>
Encoder system	P/N 105-000005	

Accessories

	<i>Parts included with complete system.</i>
Vib Pro Manual	P/N 022-000031
Software installation CD — Pelton	P/N 025-000003
PCMCIA flash memory card (128 MB _{min})	P/N 017-000083

Options

GPS system	P/N 101-100021
Force meter	P/N 101-100521
Test kit	P/N 102-000044
Vib Net™ Source Control Network	P/N 105-000014

United States – Stafford, TX
 Input/Output, Inc.
 Fax: 281.879.3500
 Phone: 281.933.3339

United States – Ponca City, OK
 Pelton Company, Inc.
 Fax: 580.762.0023
 Phone: 580.762.6341
 E-mail: pelton@deltonco.com

Russia
 Igor Skobelev
 Phone: 7.095.279.1559

England
 Input/Output, Inc.
 Fax: 44.1603.411403
 Phone: 44.1603.4114000

Web Site
www.i-o.com
www.deltonco.com