



VS2 – Servo-Hydraulic Vibrator Simulator

- Allows complete testing of, and training on, Pelton vibrator control systems without access to a vibrator
- Bar graph display of:
 - Torque motor current
 - Valve main stage displacement and position
 - Reaction mass displacement and position
- Simulates either a typical vibrator earth system resonance or a severe earth resonance with a 30 hertz notch selection
- Simulates offset adjustment errors of pilot stage, valve main stage, valve and reaction mass LVDT's
- Lift system simulation with down enable pressure transducer
- Built-in features specific to ADVII vibrator control electronics for stored parameter mode data transmission testing
- Simulates polarity reversal wiring errors which can occur in the pilot stage, mass and valve LVDT primaries and secondaries
- Simulates cable reversal of baseplate and mass accelerometers



The Servo-Hydraulic Vibrator Simulator 2 (VS2) is a portable instrument designed to be used with Pelton vibrator control systems to simulate the operation of a typical vibrator, allowing the vibrator control electronics to be operated and tested independent of an actual vibrator.

The VS2 is useful for troubleshooting vibrator systems, providing a means of isolating problems to either the control electronics or the vibrator. It can also be used as an instructional aid allowing operators to practice vibrator setup and operation in a lab environment.

Specifications:

INPUT/OUTPUT, INC.

Physical Characteristics

Height (with lid)	142 mm (5.6 in)
Length	263 mm (10.35 in)
Width	310 mm (12.2 in)
Weight	3.2 kg (7 pounds)
Operating temperature range	-45°C to +75°C
Power	9 V _{dc} - 36 V _{dc}
Interface	Connector J1 provides connections to power, wireline, radio and Vibra-Chek. Connector J2 provides connection to Advance II and Vib Pro vibrator control systems.
Limited Warranty Period	1 year

Ordering Information:

VS2 Unit	P/N 101-100096
Cables	
Power	P/N 101-100248
VS2 to VCE	P/N 101-100247
VS2 to Mini Controller	P/N 101-100763
Manual	P/N 022-000038

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