

VIBRATOR SIMULATOR 10

VIBRATOR ELECTRONICS TESTING AND TRAINING



Vibrator Simulator

Vibrator Simulator simulates an actual servo hydraulic vibrator. This system is very useful in testing of Vibroseis control electronics, and in instructing of seismic personnel in the operation of Servo hydraulic Vibrators.

This system saves valuable production time by verifying proper operation of Vibrator Electronics and Vibrator Wiring.

The VS10 system simulates:

- A three stage hydraulic system including:
 - Torque Motor
 - Pilot Stage
 - Main Stage
- Main Stage Valve LVDT
- Reaction Mass LVDT
- Seismic Source M6 accelerometers or Pelton's M5 accelerometer
- Earth resonance Notch x4/x1 switch
- 4 way valve Lift System

VS10 Features

The VS10 features bar graphs for:

- Torque Motor Current
- Valve Displacement
- Reaction Mass Displacement

Polarity Reversal Switches for:

- Torque Motor (TM)
- Valve LVDT Primary
- Valve LVDT Secondary
- Reaction Mass LVDT Primary
- Reaction Mass LVDT Secondary

Down Enable Switch (with LED)

Accelerometer Normal Switch (with LED)

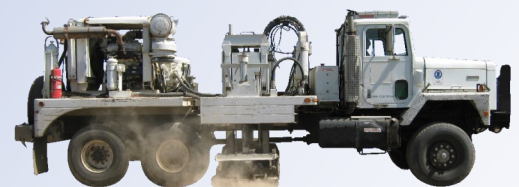
Accelerometer Disconnect Switch

LEDs show status of Lift System:

- Full Up
- Half Up
- Half Down
- Full Down



VS10 Vibrator Simulator in Case



Old Vibrators



New Vibrators