

Pneumatic Slug Test System



Determine Hydraulic Conductivity at Multiple Depth Intervals

- Slug Test Acquisition Software (CD) is installed on your laptop computer for real-time observation of field tests and for data storage.
- The pneumatic manifold assembly includes valves, a pressure regulator, and pressure gauge necessary to quickly and easily conduct pneumatic slug tests.
- The small diameter pressure transducer allows for slug tests in probe rods and PVC casing as small as 0.5 in. (12.7 mm) ID.
- Optional adapters are available to conduct pneumatic slug tests in PVC casing from nominal 0.5- to 2.0 in. (12.7 to 50.8 mm) diameter.
- The Slug Test Data Logger enables use of sampling rates of 1, 2, 10 and 38 Hertz to meet requirements for low-K formations and high-K formations producing oscillatory responses ($K > 500$ ft/day: 1.7×10^{-1} cm/sec).
- A simple foot pump supplies air pressure required to conduct the pneumatic tests in small direct push tools.
- A power converter (included in the kit) lets you operate the entire system from your vehicle's auxiliary power outlet or power point.
- Because of the small well size, minimal development water is generated.
- The entire system can be stored and transported in its carrying case (29.8 lb./ 13.5 Kg) which measures 27.5 in. x 16 in. x 7 in. (699 x 406 x 178 mm).



GW1600 Pneumatic Slug Test Kit



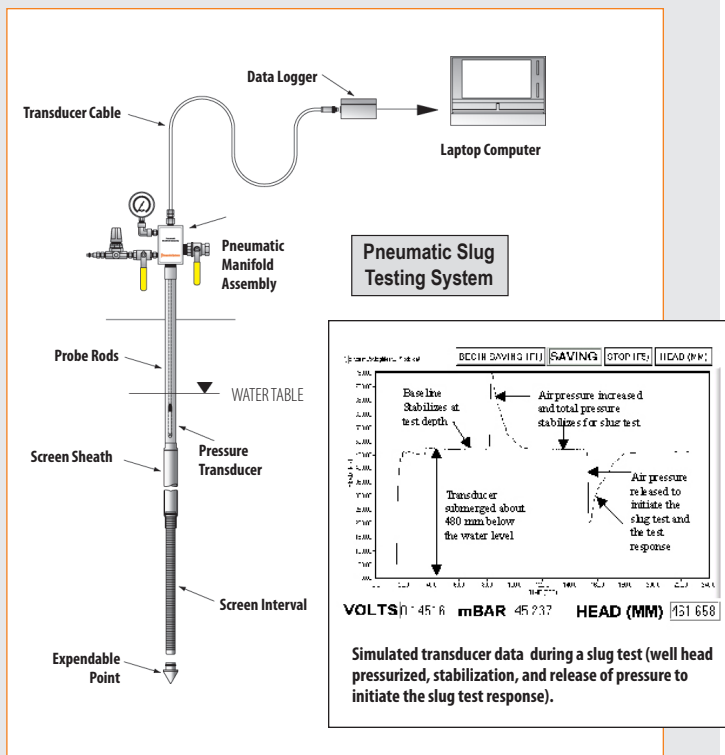
The pneumatic manifold provides the valves, fittings, and gauge (scaled in inches of water) necessary to conduct pneumatic slug tests with Geoprobe® groundwater samplers or wells.

TRANSDUCER SPECIFICATIONS

Pressure Range.....	10 psi (689.5 millibars)
Transducer, diameter	0.39 in. (9.9 mm)
Transducer, length	4 in. (102 mm)
Supply current.....	10 V
Sensitivity(approx)	100 mV
Non-linearity and Hysteresis.....	± 0.1% baseline
Temp. compensated range	28.4 to 86 deg F (-2 to 30 deg C)
Temperature error band	± 0.5%
Cable, length.....	100 ft (34.8 m)
Cable, diameter	0.225 in. (5.7 mm)

DATA LOGGER SPECIFICATIONS

Dimensions (LxWxH)	7.4 in. x 4.7 in. x 2.25 in. (188mm x 120mm x 57mm)
Weight.....	1.5 lb. (0.7 Kg)
Sensor Port	Twist-on, 8 pin connector, male
Computer Port.....	Serial, female RS232 (DB-9)
Supply Voltage	12 V
Output Voltage (to transducer)	10 V
Sampling Frequency	120 Hz
Available Output Frequencies	1, 2, 10, and 38 Hz
Carrying Case Dimensions (LxWxH)	27.5 in. x 16 in. x 7 in. (699mm x 406mm x 178mm)
Complete Kit Weight	29.8 lb. (13.5 Kg)



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