

## PST -Pneumatic Slug Test Kit

### 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 gauges necessary to quickly and easily conduct rising head or falling head 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
- A simple hand or foot pump supplies air pressure or vacuum required to conduct rising head or falling head 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.
- Screen development of DP wells is accomplished with a simple check valve pump.
- 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).



Hand pump has a valve that allows for changing from pressure to vacuum so that rising or falling head tests may be performed.



Interchangeable pressure and vacuum gauges allow for performing rising or falling head tests.

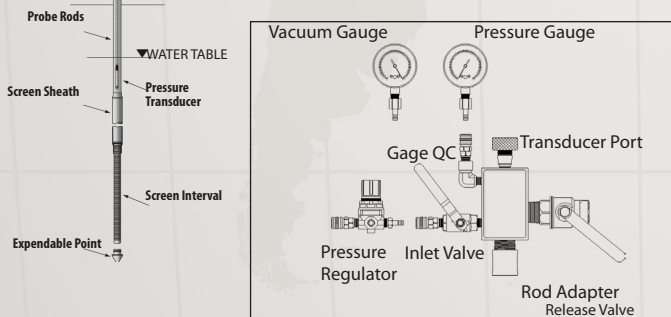
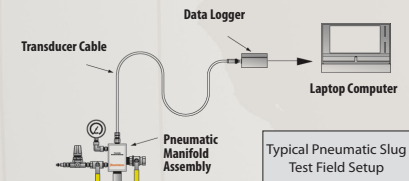
### TRANSDUCER SPECIFICATIONS

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 w/ USB adapter)
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)

**Now Available:**  
**Slug Test Analysis Software V2.0**  
 Simple & easy to use for on site data analysis.



*"We used the Pneumatic Slug Test System with direct push rods and also hooked it up to small diameter wells. The results were very informative and allowed us to progress to the next phase of the project with very useable information."*

Tom Palaia • CH2M Hill • Denver, CO

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