



WIRELINE STRADDLE-PACKER (WSP)

Designed for rapid deployment up to 2,500 ft. from any geophysical or hydrophysical logging rig. Three downhole pressure transducers record pressure in the zone of interest as well as above and below the zone of interest. Real-time display and recording of the three pressure transducers provide immediate validation of the integrity of packer seals.

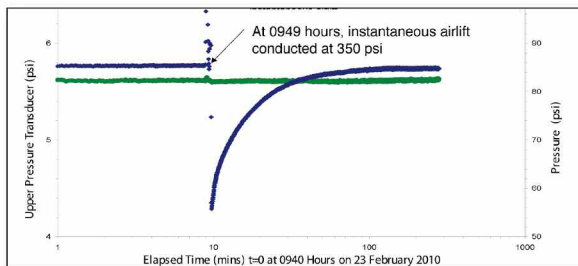
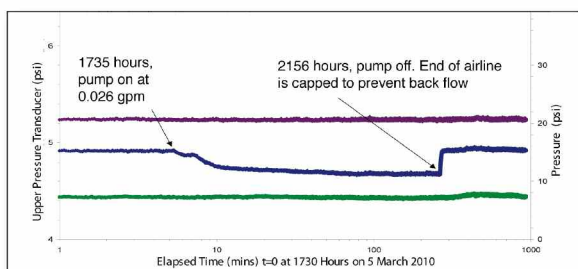
Each packer can be inflated individually to create a variety of larger test intervals, i.e. upper packer to total depth (TD) or lower packer up to water level, etc.

APPLICATIONS:

- + Rapid groundwater sampling
- + Fracture-specific permeability testing
- + Aquifer-specific permeability testing
- + Injection tests: Low-Yield and High-Yield
- + Pumping tests: Low-Yield and High-Yield
- + Airlifts
- + Falling head and rising head tests can be performed from one deployment

PROBE SPECIFICATIONS:

Type of Straddle-Packer	Uninflated Diameter	Borehole Diameter Range	Length of Straddle Zone	Max Differential Pressure	Overall Length of Straddle-Packer with Shortest Zone
MD-1.8	1.8"	2.0" – 3.5"	4.9' – 13.0'	1000 psi	23'
MD-2.7	2.7"	3.0" – 5.0"	4.9' – 15.0'	1000 psi	21'
LI-3.5	3.5"	3.8" – 7.0"	4.0' – 15.0'	1000 psi	11'
MD-4.5	4.5"	4.8" – 8.5"	5.9' – 15.0'	1000 psi	22'



PERISTALTIC PUMP TEST

Both packers inflated resulting in a test interval of 52.5 to 58.5 ft.

The middle pressure transducer records pressure in the test interval (blue).

Pumping data is processed using AQTESOLV or the Theim equation for permeability estimations.

AIRLIFT TEST

Only upper packer inflated creating a test interval of 262.7 ft. to 768.2 ft (TD) upon inflation.

Middle pressure transducer records pressure in test intervals (blue).

Airlift data is processed using AQTESOLV for permeability estimations.



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