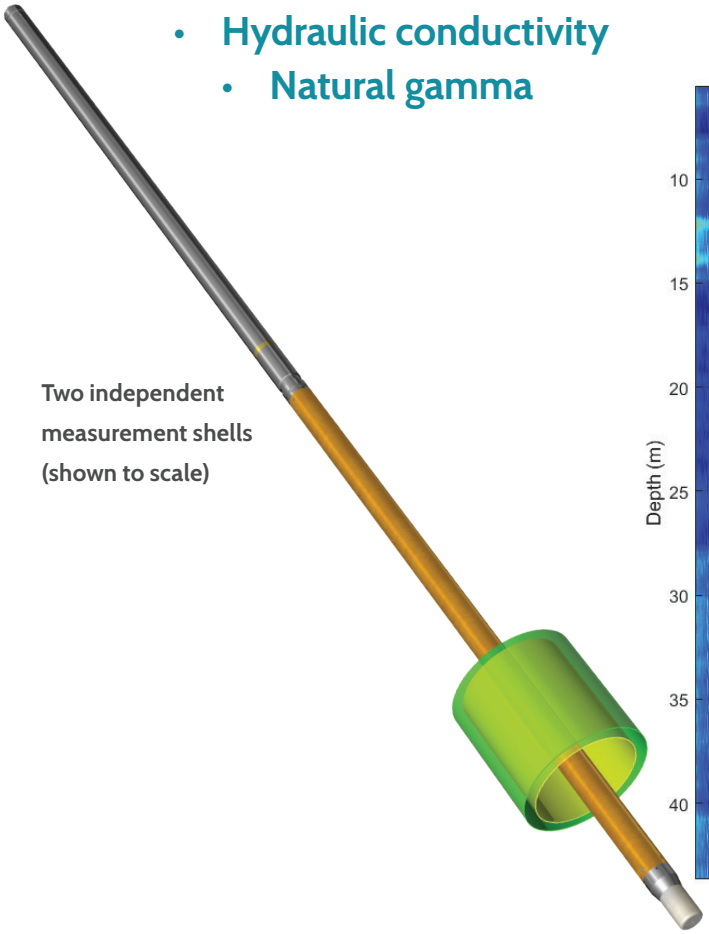
Javelin Wireline Slim

Small-Diameter Magnetic Resonance Wireline Logging Tool

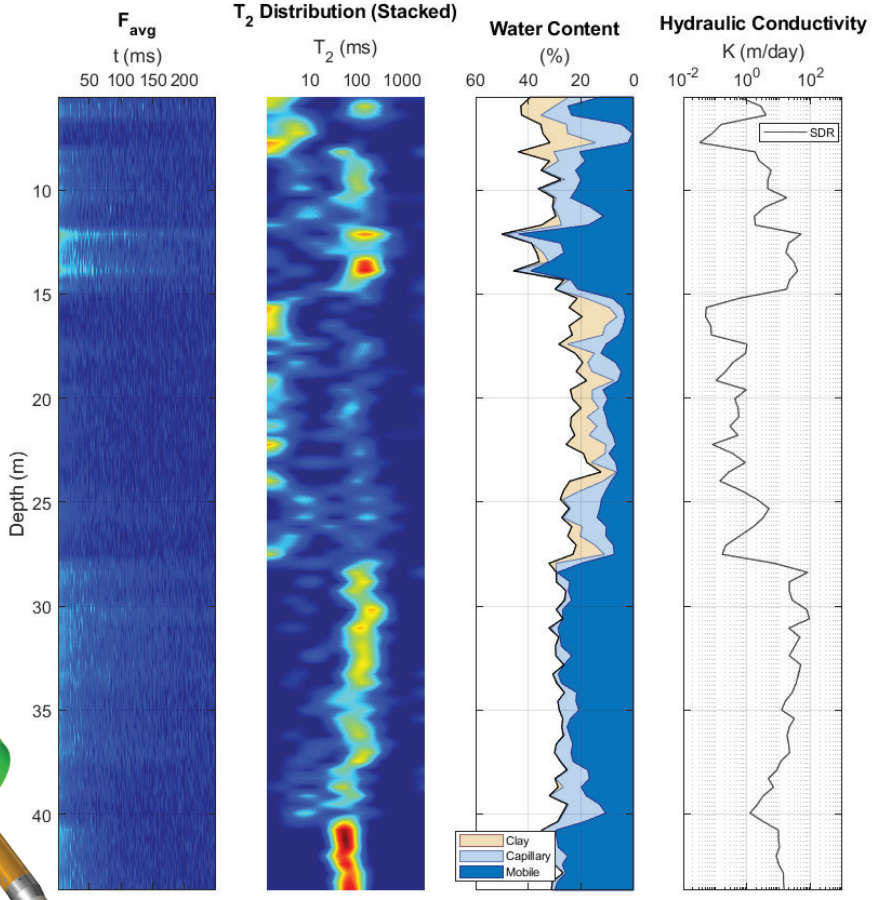
For professional geophysical logging operators

The new Javelin® Wireline Slim provides high-resolution, continuous measurements of principal aquifer properties for groundwater and environmental investigations:

- **Porosity**
  - **Bound and mobile water content**
    - **Pore size distribution**
      - **Hydraulic conductivity**
        - **Natural gamma**



Two independent measurement shells (shown to scale)



Applications

- Geotechnical site investigations
- Groundwater resource management
- Aquifer storage and recovery
- Environmental site characterization
- Mine water engineering
- Brine and leach mining

Javelin® Wireline Slim Magnetic Resonance Logging Tool

FEATURES

Interchangeable Probes

- 2.38in (60mm), 3.0in (76mm) and 3.5in (89mm) probes allow operation in a wide range of core holes and groundwater wells
- Integrated field joints for rapid and secure deployment

Widest Diameter of Investigation

- Largest Diameter of Investigation of any small or medium diameter magnetic resonance logging tool
- Measures properties of native formation past the disturbed zone

Multi-Frequency Logging

- Two independent measurement shells measured at different diameters of investigation during a single logging run
- Provides increased signal to noise ratio, ability to assess radial variability due to washout and mud invasion, and improved immunity to radiofrequency noise

Ultra-Short Echo Spacing

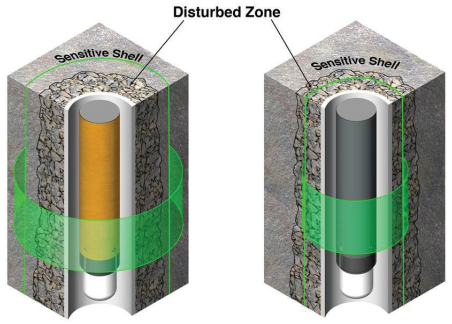
- Echo spacing as short as 450 microseconds ensures accurate measurement of clay-bound water content

Industry-Standard Wireline Compatibility

- Operation on 4-conductor or 7-conductor wireline cable ensures seamless integration with existing logging operations

Flexible Surface Station

- The Javelin® surface station provides tool power, tool control, telemetry, depth counter, tension display. and interface to PC. It works with all Javelin® Max, Slim and Micro tools.



Javelin deep-view sensitivity

Unusable data without deep-view

Surface Station is available as a rackmount unit (4U) or housed in a compact, shock-mounted case.

SPECIFICATIONS

Javelin Probes	JPY238	JPY300	JPY350
Diameter:	2.38in (60mm)	3.00in (76mm)	3.5in (89mm)
Length:	65in (165cm)	69in (175cm)	66in (167cm)
Weight:	25lb (11kg)	40lb (18kg)	53lb (24kg)
Pressure Rating:	2350 PSI	1700 PSI	1700 PSI
Sensitive Diameters:	F_1: 9in (23cm)	F_1: 13in (33cm)	F_1: 13in (33cm)
	F_2: 11in (28cm)	F_2: 15in (38cm)	F_2: 15in (38cm)
Vertical Resolution:	8in (20cm)	11in (28cm)	16in (41cm)
Echo Spacing:	500µs	600µs	600µs

Downhole Digital Module

Diameter: 2.38in (60mm)
Length: 69in (175cm)
Weight: 39lb. (18kg)
Length w/Gamma Sensor: 85in (216cm)
Weight w/Gamma Sensor: 53lb. (24kg)
Natural Gamma Sensor: Optional
Logging Speed: 100-500 ft/hr
Cable: 3/16 inch (or larger), 4-core or 7-core

CE Certified. FCC, CTick, CE Emissions Compliant
Protected by US Patents: US 10,162,026 B2; US 10,302,733 B2; US 8,816,684 B2; US 9,348,054 B2; US 9,588,068 B2; US 8,736,264 B2; US 10,113,982 B2
JAVELIN is a registered trademark of Vista Clara.

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