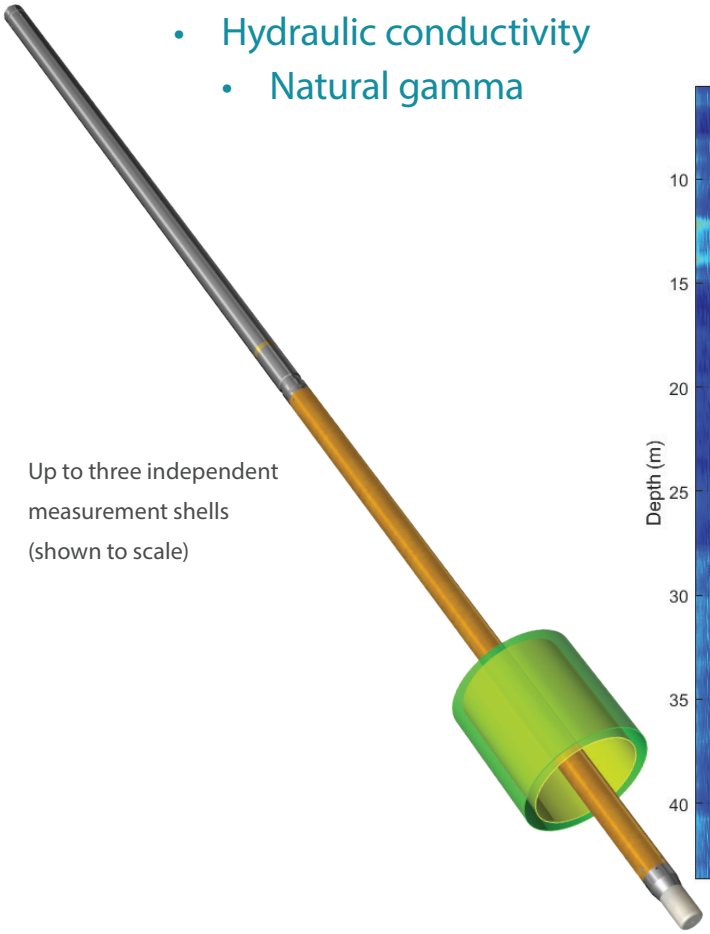
Javelin Wireline Slim

Small-Diameter Magnetic Resonance Wireline Logging Tool

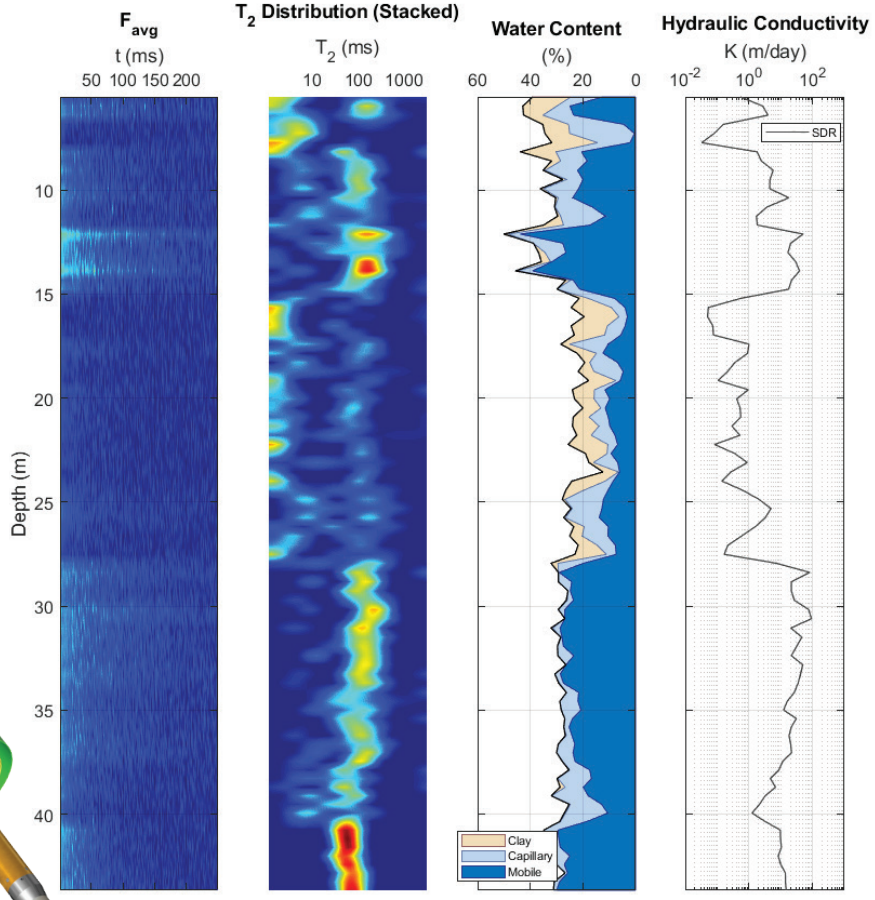
For professional geophysical logging operators

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



Up to three 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

- Up to three 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

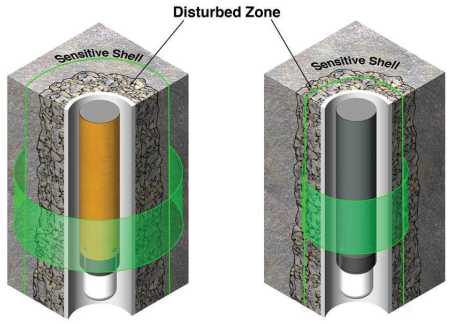
- Echo spacing as short as 450 microseconds ensures accurate measurement of clay-bound water content

Industry-Standard Wireline Compatibility

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

Flexible Surface Station

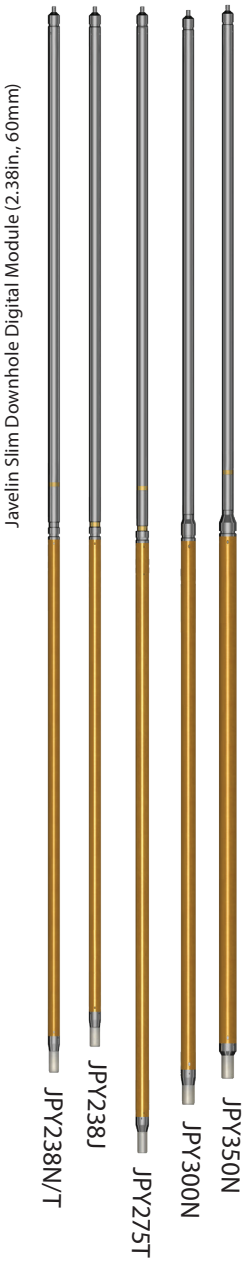
- The Javelin® surface station provides tool power, tool control, telemetry, depth counter, tension display. and interface to PC. It works with all Javelin® Max, Slim and Micro tools.



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	JPY238N/JPY238T	JPY238J	JPY275T	JPY300N	JPY350N
Diameter:	2.38in (60mm)	2.38in (60mm)	2.75in (70mm)	3.00in (76mm)	3.5in (89mm)
Length:	65in (165cm)	62in (157m)	75 in (191cm)	69in (175cm)	66in (167cm)
Weight:	25lb (11kg)	27lb (12kg)	36lb (16kg)	40lb (18kg)	53lb (24kg)
Pressure Rating:	2350 PSI	2350 PSI	2350 PSI	1700 PSI	1700 PSI
Sensitive Diameters:	F_1: 9in (23cm) F_2: 11in (28cm) F_3: NA/13in (33 cm)	F1: 9in (23cm) F_2: 11in (28cm)	F_1: 11in (28cm) F_2: 12in (30cm) F_3: 14in (36cm)	F_1: 13in (33cm) F_2: 15in (38cm)	F_1: 13in (33cm) F_2: 15in (38cm)
Vertical Resolution:	8in (20cm)	4in (10cm)	8in (20cm)	11in (28cm)	16in (41cm)
Echo Spacing:	500µs	500µs	600µs	600µs	600µs
Temperature Rating	15ºF (-10ºC) to 160ºF (70ºC)				

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.

rev 2026-10-05

VISTACLARA INC.
NMR Geophysics

Sales, Rentals, and Services
www.vista-clara.com +1 425-493-8122