

VIBROMETRIC

TC-24 HYDROPHONE DOWN-HOLE SEISMIC ARRAY



KEY FEATURES

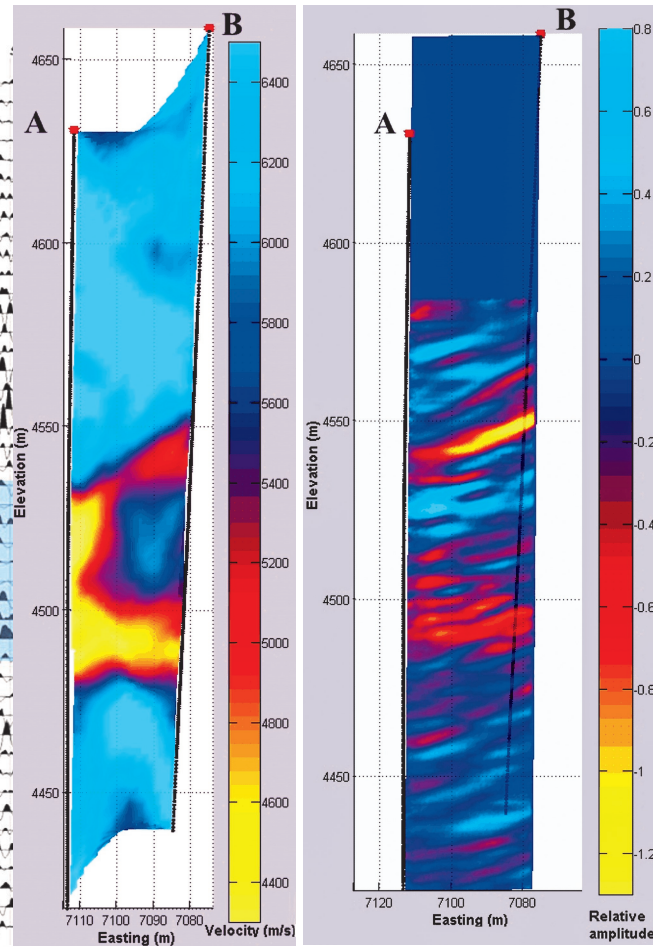
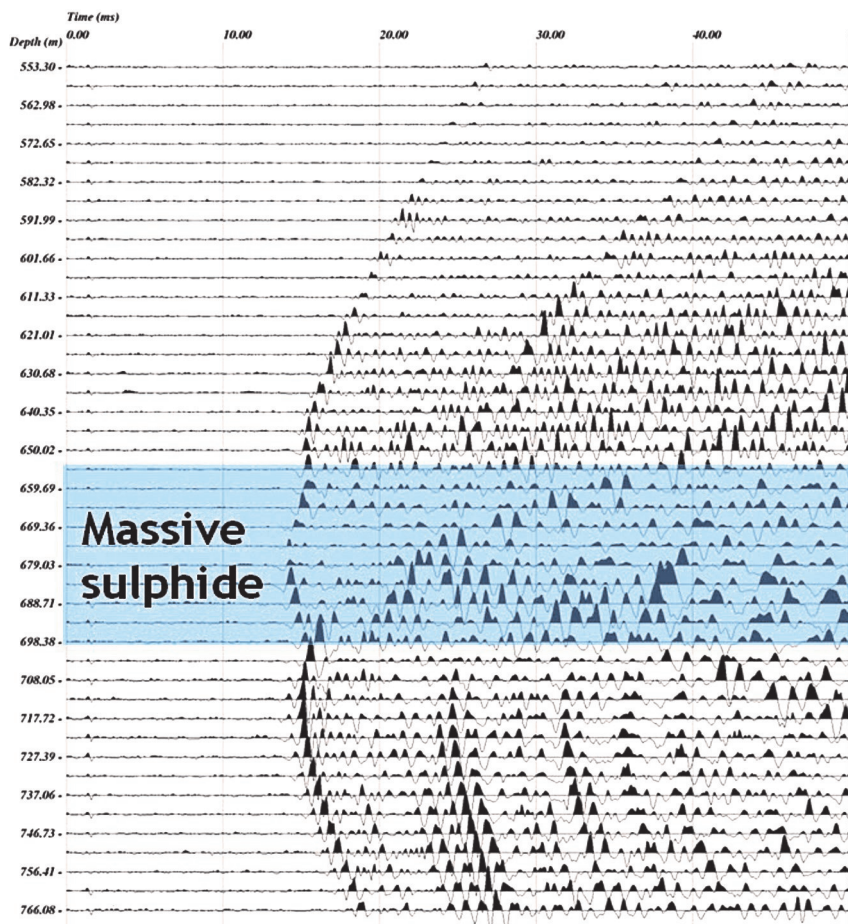
- ♦ Piezo-electric elements with frequency response from 1 to 28000 Hz; intrinsic sensitivity: -193 dBV re 1 μ Pa
- ♦ Downhole pre-amplifier, selectable gain 40dB/60 dB;
- ♦ The TC-24 hydrophone string is mainly used as a down-hole seismic receiver tool, but can also be used in shallow water and marsh areas;
- ♦ Expandable to 96 level in standard version and to 600 level configuration with fully digital technology.

APPLICATIONS

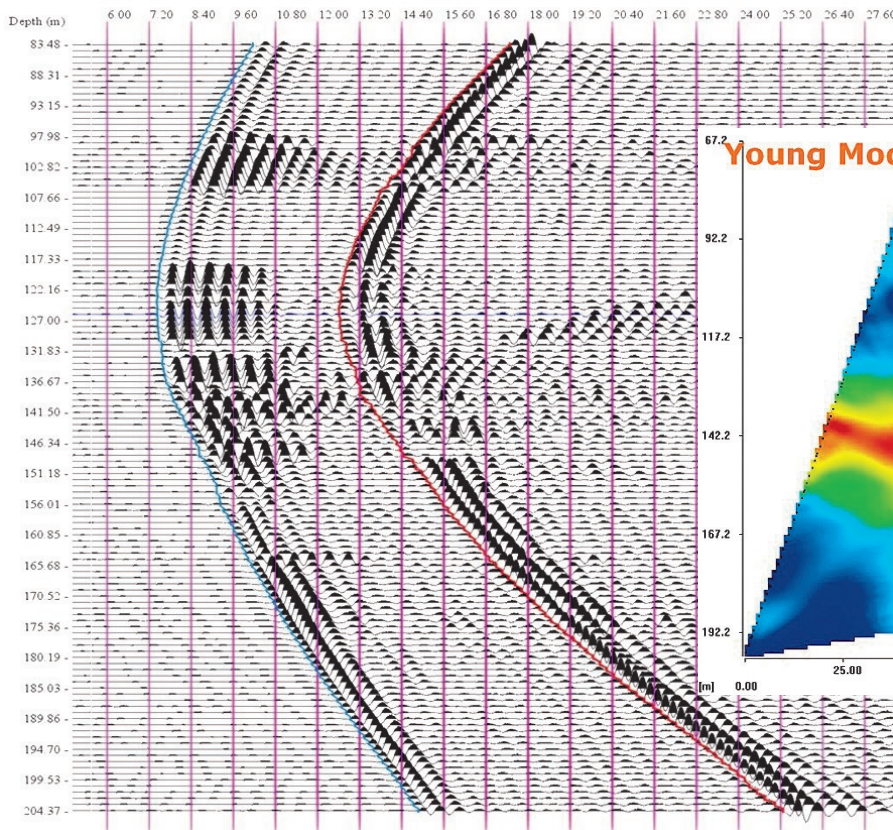
- ♦ Cross-hole and single-hole surveys
- ♦ Tomographic and reflection imaging
- ♦ Mineral exploration
- ♦ Resource delineation
- ♦ Hazardous waste geologic disposal
- ♦ Hydrogeological assessment
- ♦ Rock mechanical studies
- ♦ Research and education

OMNIDIRECTIONAL HY

Transmission & Reflection

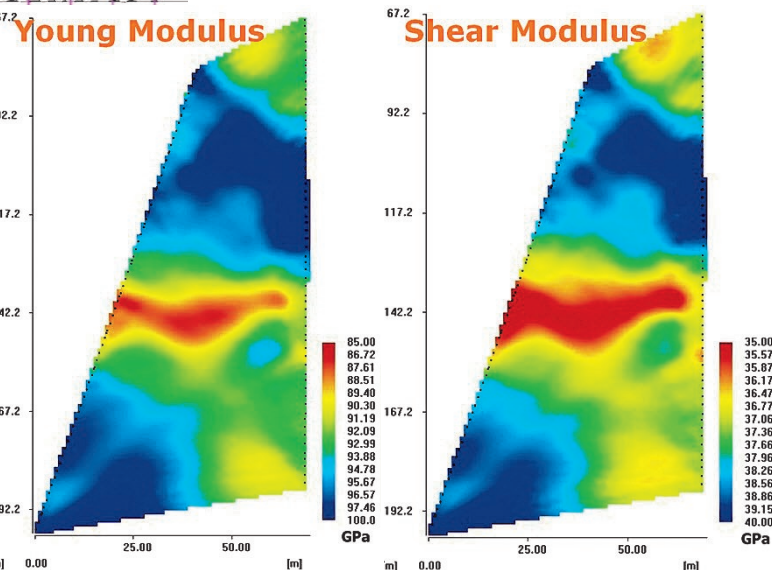


Example from cross-hole seismic imaging at the Voisey's Bay nickel deposit, NFL, Canada, 1999



Young Modulus

Shear Modulus



Example from cross-hole seismic imaging at the Fraser Mine nickel deposit, Ontario, Canada, 2000

DROPHONE RECEIVERS

SPECIFICATIONS

CHARACTERISTICS

1. The standard string consists of 24 hydrophones spaced at 1m.
2. Option: connection of up to 4 in-line strings (96 channels).
3. Optional accessories include cable winches, feeding wheels and tripods.
4. The system is compatible with all industry-standard seismographs.
5. Interfaces with Vibrators, VIB-SIST, weight-drop and explosive sources.

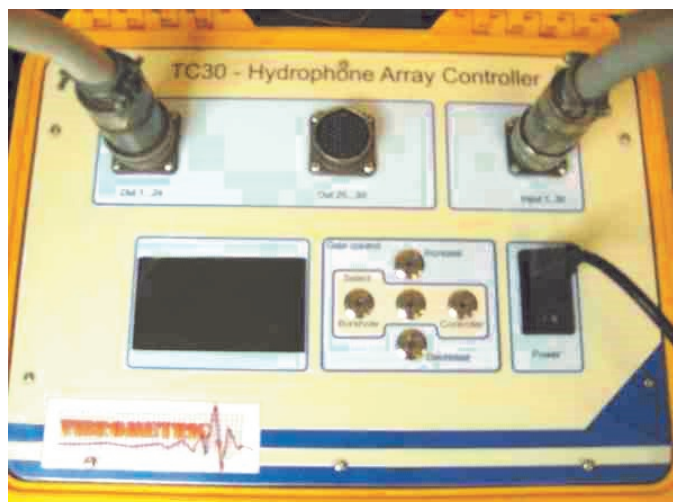
- Downhole configuration frequency range: flat from 8 Hz to 20000 Hz
- Sensitivity: selectable
-173 dB re 1V/ μ Pa or
-153 dB re 1V/ μ Pa
- Additional system gain: selectable
0dB -40dB

DIMENSIONS

- The standard housing of the TC hydrophone is made of stainless steel, is cylindrical with cylindrical-conic endings. Optionally, housing made of Murytal C ® or titanium.
- Diameter: 38 mm
- Total length : 462 mm

OPERATIONAL CHARACTERISTICS

- Operating depth: 2000 m with housing of stainless steel.
- Power requirements: 100-240 V
50/60Hz.



ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE

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