

# - Available for Purchase -

Offered By: **Max Solutions Sp. z o.o.**  
**Krakow, Poland**

## Long – Array Wellbore Seismic Recording Equipment:

Manufactured By: Geospace Technologies

- Superior Working Condition, Excellent Maintenance History,
- Low Number of Field Deployments,
- 100 - Slim Hole, 3-Component Geophone Modules,
- 98 – 15-meter Interconnect Cables,
- 4000-meter Fiber Optic Wireline Cable,
- Surface Recording and Control Computer Systems,
- Complete Field System, minus Wireline / Recording Truck
- Offered at Small Fraction of New Replacement Cost

| Max Solutions Sp. z o.o. - Equipment Inventory  |                                |             |
|---|--------------------------------|-------------|
| Product No.                                     | Description                    | Final Count |
| Geospace BSR Equipment                          |                                |             |
| <b>SLIMHole and Interconnects</b>               |                                |             |
| SH-TOOL   | Slim Hole Tri-C. Geoph Shuttle | 104         |
| SH-INTERC15M                                    | Slim Hole 15m Cable Intercon.  | 98          |
| <b>GeoRes</b>                                   |                                |             |
| SH-GEORES-CAB                                   | GeoRes Cable and Connector Kit | 1           |
| SH-GEORES-DCS600                                | GeoRes Power Supply DCS600     | 2           |
| SH-GEORES-DSI-8                                 | GeoRes Downhole Syst Interface | 2           |
| SH-GEORES-STD                                   | GeoRes St-D 4 Channels         | 2           |
| <b>Support Equipment and Wireline</b>           |                                |             |
| SH-BOWSPRING                                    | Slim Hole Bow Spring Kit       | 57          |
| SH-CCLMOD150                                    | Slim Hole CCL Module 150       | 1           |
| SH-GIP  | Slim Hole Gooseneck IC Protect | 4           |
| SH-LIFTINGEYE                                   | Slim Hole Lifting Eye 150      | 2           |
| SH-MAGCLAMP                                     | Slim Hole Mag Clamp Kit        | 104         |
| SH-MUP  | Slim Hole Makeup Plate         | 4           |
| SH-QUICKLIFT                                    | Slim Hole Quick Lift           | 3           |
| SH-SINKER                                       | Slim Hole 100# Sinker Bar Assy | 5           |
| SH-TERMINATOR                                   | Slim Hole Terminator 150       | 3           |
| SH-TEST-CAB                                     | Slim Hole Surface Cable        | 2           |
| SH-WIRELINE-4000                                | SH Fiber Optic Wireline, 4000m | 1           |
| SH-XOVER-INT                                    | Slim Hole Intercon. Crossover  | 30          |
| <b>NON-ASSET</b> Set of Spare Parts to include: |                                |             |
| NON-ASSET                                       | Drum Flange Electronics        | 1           |
| NON-ASSET                                       | IEC Rotary Collector           | 1           |
| NON-ASSET                                       | Wireline Tech 26" Sheaves      | 2           |
| NON-ASSET                                       | SuperMicro PC Data Server      | 1           |
| NON-ASSET                                       | Maintenance Supplies           | 1           |

# "Slimhole" BSR Array System

## Miniaturized Multi-component Borehole Sonde String



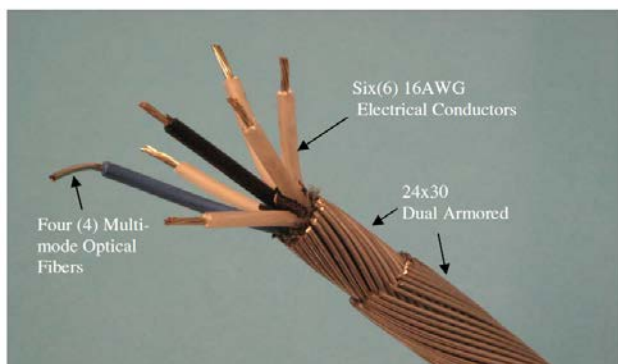
### Digital Module Features:

- Slimhole BSR Array: Bore Seismic Receiver Array
- 24-Bit x 4-Channel Digitizer in Shuttle
- Ultra Low Noise Digitizer enables recording of low amplitude micro-seismic events, 3D-VSP, Crosswell Seismic Imaging, etc.
- Slim-hole sonde 1.6-inch OD (< 41 mm)
- 3C Sensor Packages available: 3C Tri-axis Orthogonal Geophone
- OMNI-2400 High-output Geophone Sensors
- Machined stainless housing Minimizes Mechanical Resonance for High Resolution, High Frequency Recording
- Direct connection sub-arrays, armored Wireline
- Flexible or Rigid Interconnects may be connected "back-to-back" to form longer intervals
- Maximum Distance between sonde modules is 100 meters
- Maximum Temperature Rating is 150 degrees C
- Maximum Pressure Rating is 20,000 psi
- Up to 480 3-Component Levels per well deployment
- Configurations for vertical, deviated, horizontal wellbore deployments
- Adaptable housing for user defined, application specific coupling devices

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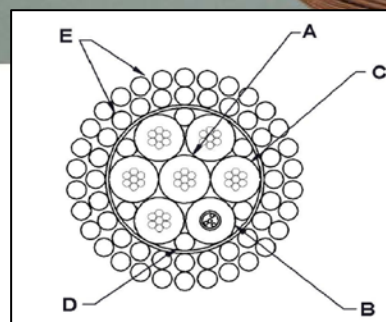
# Fiber Optic High Strength Wireline

## Armored Logging Wireline with 6-Electrical Conductors and 4-Optical Fibers



### Features:

- Field Proven and tested wireline provides dependable and reliable conveyance for "Downhole" Seismic Wireline Operations
- Fiber Optic data transmission provides high-speed data transfer rates.
- 0.592-inch diameter (15 mm)
- Dual armored (24 inner and 30 outer armor)
- Six (6) 16 AWG electrical conductors
- Four (4) multimode Optic Fiber Conductors installed in robust stainless-steel tube
- Fiber Optic-to-Electrical converter installed in wireline logging head (connector) and in wireline drum eliminates use of fiber-optic connectors and fiber-optic slip-ring



- A. Central conductor—16 AWG
  - B. Slip tube 4FO fibers—4 multimode fiber optics 62.5/125/245  $\mu$ m.
  - C. Power conductor—5X 16AWG
  - D. Interstices with fillers
  - E. Armor package—Contra helical GEIPS wires
- Inner Armor 24 x .049" (1.245 mm)  
Outer Armor 30 x .049" (1.245 mm)

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## Contact Information

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