

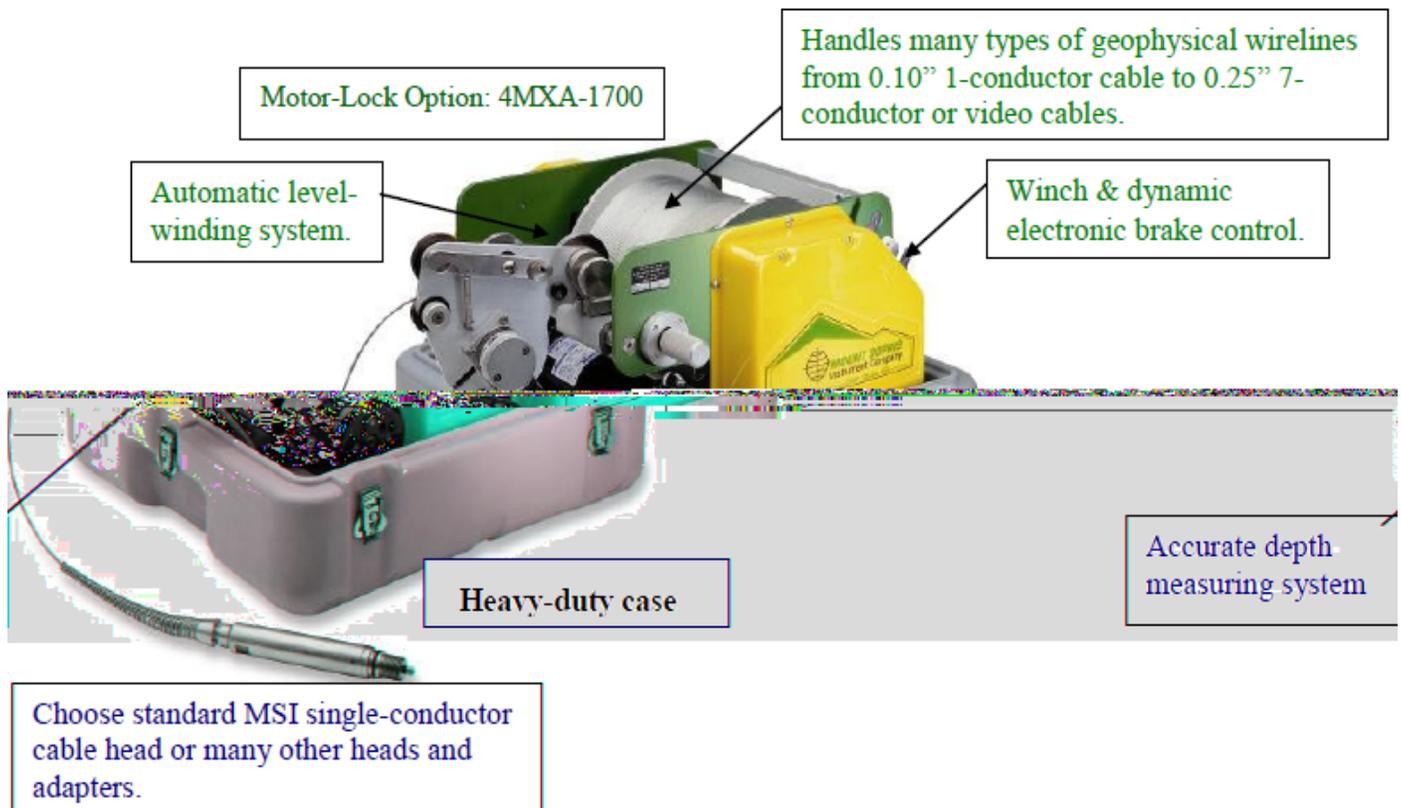
## MX Series Winches

The MX winch is a logging hoist capable of positioning a geophysical probe or other tools in a borehole.

The system is equipped with slipping and connections through which surface instrumentation can communicate with the probe. A precision measuring wheel and rotary encoder are also included to allow the amount of cable played out to be tracked. The cable is automatically wrapped on the drum in even layers through the level wind mechanism.

The motor is controlled by a 110V (or 220V depending on the model) four-quadrant motor speed controller that allows the speed to remain constant with a varying load and prevents overhauling with heavy loads.

The winch is designed to be used with the MGX II console or **MATRIX** and a portable PC to comprise a complete logging system. Dynamic electronic brake is a standard item, with a mechanical (disc) brake optional.



## GENERAL SPECIFICATIONS

|                                       |                                                                                                                                                                                                                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Motor:</b>                         | 1/4 hp, SCR type                                                                                                                                                                                                                                                                    |
| <b>Controller:</b>                    | 4 quadrant, with current limit                                                                                                                                                                                                                                                      |
| <b>Speed:</b>                         | 0 to 85 ft/min (26 m/min)                                                                                                                                                                                                                                                           |
| <b>Load:</b>                          | 100 lbs (46 Kg)                                                                                                                                                                                                                                                                     |
| <b>Cable Capacity:</b>                | <b>4MXD-1000/1580ft (480M)</b> 3/16" (4.76mm) dia. cable<br><b>4MXC-1000/3281ft (1000M)</b> 1/8" (3.17mm) dia. cable<br><b>4MXB-1000/1000ft (305M)</b> 3/16" (4.76mm) dia. cable (video)<br><b>4MXA-1000/1640ft (500m)</b> 1/8" (3.17mm) dia. cable                                 |
| <b>Shipping Weight:</b>               | <b>4MXD</b> w/480 mtrs 3/16" (4.76mm) dia. cable = 188 lbs (85 Kg)<br><b>4MXA</b> w/500 mtrs 1/8" (3.17mm) dia. cable = 132 lbs (60 Kg)<br><b>4MXB</b> w/305 mtrs 3/16" (4.76mm) dia. cable = 179 lbs (82 Kg)<br><b>4MXC</b> w/1000 mtrs 1/8" (3.17mm) dia. cable = 195 lbs (89 Kg) |
| <b>Winch Size:</b><br>(head extended) | <b>4MXA-1000:</b> 16" x 20.5" x 12" (40.6 x 52 x 30.5 cm)<br><b>4MXB,C,D-1000:</b> 16" x 22" x 14.5" (40.6 x 55.9 x 38.8 cm)                                                                                                                                                        |
| <b>Case Size:</b>                     | <b>4MXA-1000:</b> 17" x 17" x 18" (43.2 x 43.2 x 45.7 cm)<br><b>4MXB,C,D-1000:</b> 26" x 26" x 24" (66 x 66 x 61 cm)                                                                                                                                                                |
| <b>Cable off-axis tolerance:</b>      | <b>4MXA,B,C,D:</b> 10° left, 10° right, 12° down, 45° up                                                                                                                                                                                                                            |
| <b>Depth Encoder:</b>                 | BEI Model H20 (200 pulses/turn) standard, others available.                                                                                                                                                                                                                         |

