

## Mx Winch Data Sheet

The MX winch series comprises of a motorised medium sized spool with integrated controller and can support 500m of single conductor wireline.



*MX Winch deployment off a Drill Rig. Image courtesy of Mount Sopris Instruments.*

The four-quadrant motor speed controller enables the winch to sustain a constant bailing speed with varying loads. The winch can be supplied with varying types and gages of wirelines including coax, single and multi-conductor cables. A level wind mechanism automatically wraps the cable onto the drum and also includes a rotary encoder to track the amount of cable released. The MX winch can be fitted with the MATRIX or BBox console to offer a complete logging solution. The MX winch is supplied mounted within a rugged transit case for easy transportation or can be mounted within a vehicle.

As with all Mount Sopris winches the MX winch series can support all Mount Sopris and ALT borehole logging tools and many third party tools.

### Product Dimensions

| Physical          | Dimensions (L x W x H) | Weight                                  |
|-------------------|------------------------|---|
| (instrument only) | 40.6cm x 52cm x 38.8cm | 70kg (with 500m single conductor cable) |

## Technical Specifications

|                                  |  |
|----------------------------------|--|
| <b>Motor:</b>                    | ¼ hp, SCR type   |
| <b>Controller:</b>               | 4 Quadrant, with current limit.  |
| <b>Depth Encoder:</b>            | BEI Model H20 (200 pulses/turn).   |
| <b>Wireline Tolerance:</b>       | Supports Coaxial, Single and Multi- Conductor Wirelines.   |
| <b>Cable off-axis Tolerance:</b> | 10° left, 10° right, 12° down, 45° up  |
| <b>Speed Range:</b>              | Low Gear: 9.14m/min 272kg load.<br>High Gear: 27.4m/min 113kg load.  |
| <b>Cable Capacity:</b>           | 4MXA w/500m of 3.17mm dia. Cable: 70 kg<br>4MXB w/305m of 4.76mm dia. Cable: 98 kg<br>4MXC w/1000 m of 3.17mm dia. Cable: 105 kg |
| <b>Temperature:</b>              | -20 to 50 °C   |
| <b>Load:</b>                     | 46kg.  |
| <b>Power:</b>                    | 600W @220V   |