

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

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