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Mini Winch Data Sheet

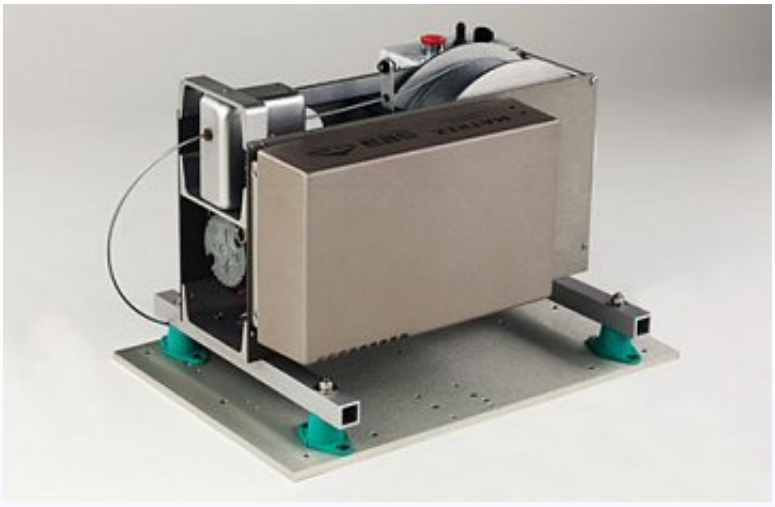
Mount Sopris Mini Winch: Lightweight and Mobile Solution

The **Mount Sopris Mini Winch** is designed for quick deployment and ease of use, making it the perfect choice for near-surface hydrogeology, pollutant monitoring, and mining logging projects. Compact and mobile, this winch can be easily transported and set up in diverse field environments.

The Mini Winch comes fully equipped with:

- MATRIX Console: A versatile control system for seamless operation.
- Depth Encoder: Ensures accurate depth measurement for reliable data collection.
- Tiller Arm and Quadrant Speed Controller: Provides enhanced control and protects against overdriving when handling heavy loads, ensuring smooth and safe operation.

Ideal for a variety of logging applications, the Mini Winch offers robust performance in a lightweight, easy-to-use package.



Mini Winch with Matrix Logger Attached Image Courtesy of Mount Sopris Instruments

Mini Winch Specifications and Options

The Mount Sopris Mini Winch is available in several configurations to suit different operational needs:

- 4200-1000-120: Spooled with 200 meters of 3.17mm (0.125”) diameter single conductor wireline, powered by 120 VAC.
- 4200-1000-230: Same specifications as the above model, but powered by 220 VAC.
- 4305-1000-120: Spooled with 305 meters of 2.54mm (0.100”) diameter single conductor wireline, powered by 120 VAC.
- 4305-1000-230: Same specifications as the above model, but powered by 220 VAC.

Both the winch and logger can be operated using a small portable generator or a 600-watt (pure sine wave) inverter, providing flexibility in various field conditions.

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Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	66cm x 38cm x 46cm	36kg (with 305m single conductor cable)

Technical Specifications

Controller:	MATRIX.
Depth Encoder:	Optical.
Speed Range:	0-20m/min.
Winch foot print:	228.6 x 393.7mm.
Cable Capacity:	200m 3.17mm dia or 305m 2.54mm single conductor cable.
Power Supply:	12 to 110/240 VDC.

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