



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 slip-ring 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 120V-230V AC four-quadrant regenerative 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 **MATRIX** and a portable PC to comprise a complete logging system. Adjustable disc-style mechanical brake is standard.

General Specifications

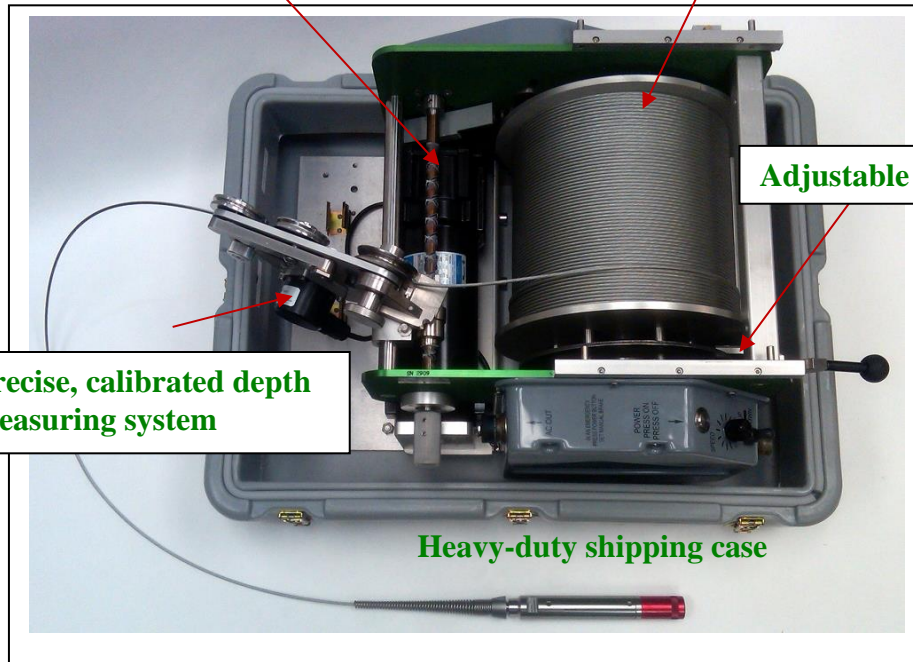
Motor:	1/4 hp, SCR type
Controller:	4 quadrant, with current limit
Speed:	0 to 75 ft/min (24 m/min)
Maximum Load:	100 lbs (46 Kg)
Cable Capacity:	4MXA-1000 /1640ft (500m) 1/8" (3.17mm) dia. cable 4MXB-1000 /1580ft (480M) 3/16" std/video (4.76mm) dia. cable 4MXC-1000 /3281ft (1000M) 1/8" (3.17mm) dia. cable
Shipping Weight:	4MXA w/500 mtrs 1/8" (3.17mm) dia. cable = 132 lbs (60 Kg) 4MXB w/480 mtrs 3/16" (4.76mm) dia. cable = 188 lbs (85 Kg) 4MXC w/1000 mtrs 1/8" (3.17mm) dia. cable = 195 lbs (89 Kg)
Dimensions in Shipping case:	4MXA-1000: 26" x 18" x 18" (66 x 45.7 x 45.7 cm) 4MXB, C-1000: 26" x 26" x 26" (66 x 66 x 66 cm)
Cable off-axis tolerance:	4MXA,B,C: 10° left, 10° right, 12° down, 45° up
Depth Encoder:	Dynapar (200 pulses/turn) standard, others available.



MX SERIES WINCHES

Automatic
cable level-wind

Available with many types of geophysical
wirelines, from 0.10" 1-conductor cable to
0.187" 4-conductor or video cables.



Adjustable disc brake

Precise, calibrated depth
measuring system

Heavy-duty shipping case



4MXC-1000 winch



MATRIX Console + 4MXA-1000