

# JC-2000A Automatic Drain Winch

## Summary

The JC-2000A automatic drain winch is a special winch according to the actual work of field drilling and logging. The winch used SCM control technology, LCD display mode, integrated intelligent control operation software for the mechanical and electrical design of the automatic drain winch. The winch with automatic cable arrangement, lifting and lowering well-logging probe tubes; with the function of automatic/manual, constant speed control, measuring point /continuous measurement, automatic depth correction, the cable tension display and overrun alarm etc.

The winch specifications and features to meet the requirements using the People's Republic of China Geology and Mineral industry standard DZ/T 0196.8-1997 logging tool General technical conditions "logging winch and controllers" shall apply in geology, metallurgy, coal, oil, engineering drilling parameters underground probe tube logging application, especially when more advantages in depth 2000 m.

## I. Main technical features

1. With automatic discharge cable function, through a combination of precision parts can be satisfied with the automatic discharge cable effect.
2. Using SCM control technology, comprehensive real-time information, advanced technical indicators, the constant speed control to achieve "DZ / T 0196.8-1997" A level standard.
3. Decentralization and upgrade of the cable with automatic/manual, constant speed control, point measurement / continuous measurement, depth correction function.
4. With automatic braking function of a power outage, and when the hand after lifting off, using a positive shake rise, the reverse automatic braking system, safe and reliable.
5. With the running process of the pull over the automatic parking protection function, it can ensure the safety of the underground probe tube and the instrument.



## II. Main technical specifications

1. Speed range: 0 m / min ~ 30 m / min;
2. Depth range: 0 m ~ 2000 m;
3. Control: integrated intelligent control panel;
4. Constant speed range: 0.5 m / min ~ 20 m / min, error  $\pm 5\%$ ;
5. Display range: 0m ~ 9999.99 m, error  $\leq \pm 0.4\%$ ;
6. Control: automatic, manual, calibration;
7. Control direction: up, down;
8. Measurement: point measurement, continuous;
9. Cable specifications: 2000 m plastic cable;
10. Working temperature:  $-10\text{ }^{\circ}\text{C} \sim 70\text{ }^{\circ}\text{C}$ ;
11. Power Supply: AC (220  $\pm$  10%) V, 50Hz;
12. Motor power: 1500W;
13. Net weight: 150kg (without cable);
14. Total weight: 240kg (including cable);
15. Volume: 1100mm  $\times$  810mm  $\times$  560mm (length  $\times$  width  $\times$  height).