

Integrated Digital Logging System

This integrated system combines an acquisition host machine, winch controller, and industrial PC. It supports both upward and downward logging and can receive digital, analog, and pulse signals.



Overview

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This integrated digital logging system is engineered for precise data acquisition and real-time monitoring in demanding environments. It features a seamless integration of depth control and data acquisition, supporting automated sampling and logging termination. The system provides high-resolution digital displays for frequency and voltage, ensuring reliable performance and ease of use for professional logging operations.

Key Performance Metrics

Logging Speed

0.5 m/min

Min Speed

30 m/min

Max Speed

Power Consumption

1.5 kW

Depth Measurement Error

d0.4‰

Technical Specifications

Electrical Logging Specs

Parameter	Value/Range
Power Supply Current	1mA~500mA
Resistivity Power Supply Cycle	400ms
Analog Signal Input Range	d±1V

Signal & Processing

- 12bit A/D Conversion
- Program-Controlled Magnification: K=0.5~128
- Counting Channel Frequency: d500KHz
- Digital Signal Transmission: 9600bit/s

Activation Settings

- Power-off Delay: 1~9999ms
- Power Supply Time: 1~99s
- Sampling Interval: 1~9999ms

Physical Characteristics

Dimensions	480 x 280 x 230 mm
Weight	10 kg

Features

Core Capabilities	Automatic Sampling, Depth Control Integration, Real-time Digital Display, Indoor Simulation Logging, Programmable Magnification
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