

DW-01 Hitachi Elevator Eddy Current Load Sensor Datasheet



Brand: Hitachi

SKU: [693163151581](#)

Category: Process Sensors

Price: **\$47.99**

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Product Page: <https://www.equipspares.com/product/dw-01-hitachi-elevator-eddy-current-load-sensor>

Product Description

The Hitachi DW-01 is a high-precision eddy current sensor engineered for non-contact load detection and car bottom weighing in elevator systems. Utilizing electromagnetic induction to measure distance variations between the sensor and the elevator car frame, it provides real-time feedback for overload protection and floor leveling accuracy. This industrial-grade component features a robust housing designed to withstand the high-vibration environment of elevator shafts while maintaining a stable output signal for the lift controller.

DW-01 Specifications

Model Number: DW-01

Brand: Hitachi

Product Category: Elevator Sensors / Eddy Current Sensors

Sensing Technology: Non-contact Eddy Current Induction

Primary Function: Car Bottom Weighing and Load Detection

Compatibility: Hitachi Elevator Systems (LGE, MCA, HGP series)

Operating Voltage: Standard Elevator Control Logic Levels

Output Type: Analog/Digital Signal Feedback

Installation Location: Elevator Car Bottom / Hood Frame

Material: High-durability Industrial Polymer/Metal Housing

Protection Rating: IP-rated for Dust and Moisture Resistance

Operating Temperature: -10 to +60°C

Certifications: OEM Original Equipment Manufacturer Standard

Weight: Approx. 0.35kg

Dimensions: Compact form factor for under-car mounting

DW-01 Applications

Mandatory load-sensing and weighing management for Hitachi passenger and freight elevators, specifically integrated into car bottom frames for overload prevention and pre-torque motor control. Technical implementation includes real-time floor leveling compensation and safety circuit feedback in high-rise traction lift systems.

Supplemental Images

