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Vestil DLI-1

Vestil DLI-1 Aluminum Digital Load Indicator User Manual

Model: DLI-1

Introduction

This manual provides essential information for the safe and effective operation, setup, and maintenance of the Vestil DLI-1 Aluminum Digital Load Indicator. This device is designed to accurately measure weight, providing clear digital readouts for various load measurement applications. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage or injury.


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Figure 1: Vestil DLI-1 Aluminum Digital Load Indicator. This image displays the compact, silver aluminum body with a blue and black digital display panel, featuring three control buttons below the screen. Mounting holes are visible at the top and bottom.

Safety Information

Always observe the following safety precautions to reduce the risk of injury or damage to the equipment:

- **Read and Understand:** Read this entire manual before operating the load indicator.
- **Capacity Limits:** Do not exceed the maximum rated capacity of the DLI-1 (1000 Lb.). Overloading can cause damage to the unit and potential safety hazards.
- **Proper Installation:** Ensure the load indicator is securely attached using appropriate shackles and hooks, as intended. Improper attachment can lead to equipment failure.
- **Environmental Conditions:** Use the device in stable environmental conditions. Avoid extreme temperatures, excessive moisture, or corrosive environments.
- **Inspection:** Before each use, inspect the unit for any signs of damage, wear, or loose components. Do not use if damaged.
- **Maintenance:** Only perform maintenance as described in this manual. Refer servicing to qualified personnel.
- **Battery Safety:** Follow proper battery handling and replacement procedures. Do not mix old and new batteries or different battery types.

Product Features

- Heavy-duty, robust construction designed to withstand significant weights.
- Clear LCD screen for displaying tare, gross, and net load weight.
- Unique design compatible with standard shackles and hooks for versatile applications.
- Automatic stand-by feature to prolong battery life.
- Compact and ergonomic design for ease of handling and integration.

Setup

1. **Unpacking:** Carefully remove the Vestil DLI-1 from its packaging. Inspect the unit for any visible damage that may have occurred during shipping. Report any damage to the carrier immediately.
2. **Battery Installation:**
    - Locate the battery compartment on the rear of the unit.
    - Open the compartment cover.
    - Insert the required batteries (refer to specifications for type and quantity), ensuring correct polarity (+/-).
    - Close the battery compartment cover securely.
3. **Mounting:**
    - The DLI-1 is designed to be integrated into a lifting or weighing system using shackles and hooks.
    - Attach the load indicator securely between the lifting point and the load using appropriately rated shackles and hooks. Ensure all connections are tight and secure.
    - Verify that the load indicator is hanging freely and is not obstructed by any other components of the system.

Operating Instructions

The Vestil DLI-1 features an intuitive LCD display and control buttons for easy operation.

1. **Power On/Off:** Press the **Power** button (usually indicated by a power symbol) to turn the unit on. Press and hold the same button to turn it off.
2. **Zero/Tare Function:**
    - With no load applied, press the **Zero** button to set the display to zero.
    - To tare a container or lifting apparatus, place the empty container/apparatus on the system. Once the weight stabilizes, press the **Tare** button. The display will show zero, and subsequent readings will represent the net weight of the load placed inside or on the tared item.
3. **Gross/Net Display:** The DLI-1 allows switching between gross and net weight display. Press the **Gross/Net** button to toggle between the total weight (gross) and the weight after taring (net).
4. **Weight Measurement:** Once the unit is powered on and zeroed/tared as needed, apply the load. The display will show the current weight. Allow the reading to stabilize for an accurate measurement.
5. **Automatic Stand-by:** The unit is equipped with an automatic stand-by feature to conserve battery life. If no activity is detected for a set period, the unit will enter a low-power stand-by mode. Press any button or apply a load to reactivate.

Maintenance

Regular maintenance ensures the longevity and accuracy of your Vestil DLI-1.

- **Cleaning:** Clean the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners, solvents, or immerse the unit in water.
- **Battery Replacement:** When the low battery indicator appears on the display, replace the batteries promptly. Refer to the "Setup" section for battery installation instructions. Dispose of old batteries according to local regulations.
- **Storage:** When not in use for extended periods, store the load indicator in a dry, cool place, away from direct sunlight and extreme temperatures. Remove batteries if storing for very long durations to prevent leakage.
- **Calibration:** While the DLI-1 is factory calibrated, periodic calibration by a qualified technician may be necessary to maintain accuracy, especially after heavy use or impact. Contact Vestil Manufacturing Corp for calibration services.
- **Inspection:** Periodically inspect the housing, display, and mounting points for any signs of damage, cracks, or excessive wear. Ensure all connections remain secure.

Troubleshooting

This section addresses common issues you might encounter with your Vestil DLI-1.

Problem	Possible Cause	Solution
Unit does not power on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace batteries with new ones.
Inaccurate readings.	Overload, unit not zeroed/tared, environmental interference, need for calibration.	Ensure load is within capacity. Perform zero/tare function. Move away from strong electromagnetic fields. Consider professional calibration.
Display shows "OL" or "Err".	Overload condition.	Remove excess load immediately. Ensure load does not exceed 1000 Lb. capacity.

Problem	Possible Cause	Solution
Unit enters stand-by too quickly.	Automatic stand-by feature activated.	This is normal operation to conserve battery. Apply a load or press a button to reactivate.

Specifications

Feature	Detail
Model Number	DLI-1
Brand	Vestil
Capacity	1000 Lb.
Product Dimensions (L x W x H)	1.5 x 3.63 x 8.75 inches
Item Weight	2 Pounds
Display Type	LCD
Material	Aluminum
Manufacturer	Vestil Manufacturing Corp
First Available Date	October 17, 2012

Warranty Information

Vestil Manufacturing Corp products are subject to specific warranty terms and conditions. For detailed warranty information regarding your DLI-1 Digital Load Indicator, please refer to the official Vestil Manufacturing Corp website or contact their customer service department directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Customer Support

For technical assistance, parts, or service inquiries, please contact Vestil Manufacturing Corp:

- **Manufacturer:** Vestil Manufacturing Corp
- **Website:** www.vestil.com (Please visit the official website for current contact details, phone numbers, and email addresses.)

When contacting support, please have your model number (DLI-1) and purchase date available.

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