L.A.B

Your Only Source for Customer Focused Shock & Vibration Test Solutions

INCLINE IMPACT

TECHLAB SYSTEMS

INCLINE IMPACT

Packages in the distribution environment experience sudden side impacts caused by unpredictable motion while in transit. To ensure the integrity of the package, the L.A.B Incline Impact Test System assists in determining the overall durability of the package or product by impacting all four sides in a controlled, measurable and repeatable manner.

TEST WITH CONFIDENCE

L.A.B Equipment's line of Incline Impact Test Systems simulate the hazards encountered in the distribution environment, such as:

- Rough Handling
- Pallet Marshalling
- Rail Car Switching

Complies with ISTA, ASTM, ISO, MIL STD, and other internationally recognized test standards.

INCLINE IMPACT FEATURES

Easy Load Dolly

- For ease of loading and unloading, all L.A.B models have the feature which allows dollies to be loaded with rail assembly in a parallel position close to the floor

Rigid Backstops

- The backstop provides rigid, unyielding impact surfaces to ensure that impact forces are applied uniformly to the test specimen. The specification compliant massive steel framework serves as a realistic impact surface

User Controlled Impact Velocity

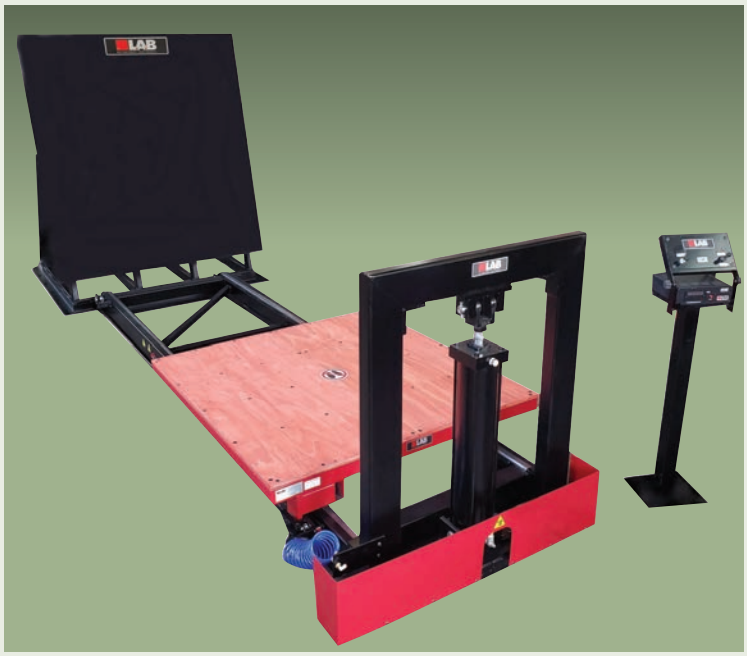
- Adjustable dolly travel provides for varied impact velocity

Operator Control Stand

- Control stand with built in safety interlock allows for an efficient and safe operating cycle away from the area of impact while also affording a convenient location for the VM1200

Fully Assembled

- L.A.B ensures each assembly is tested for desired impact velocity, maximum designed payload and trouble-free installation and operation



INCLINE IMPACT

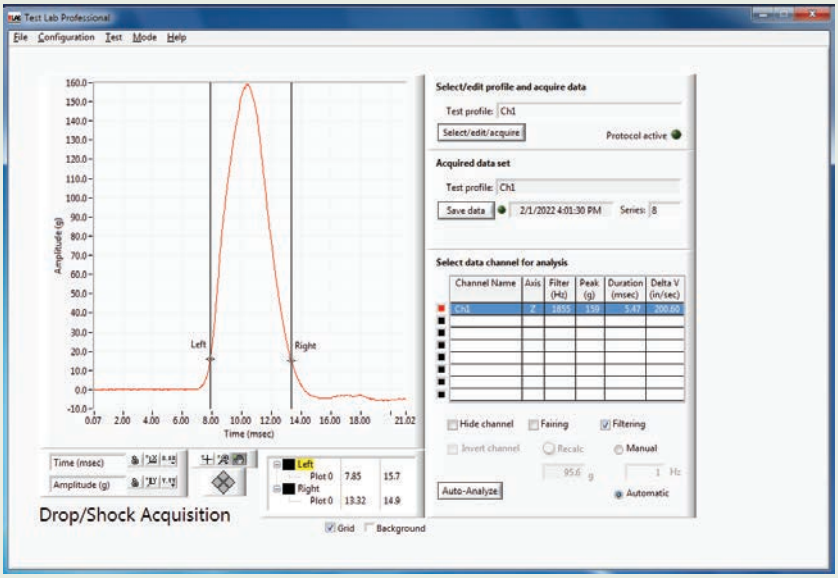
Rev G

INCLINE IMPACT

VM1200 VELOCITY METER

- Optical Gate system accurately measures dolly velocity at point of impact
- Conveniently mounts on remote control pedestal
- Can be ordered to display velocity in either English or Metric units





OPTIONAL TEST LAB PROFESSIONAL (TLP-DS)

- Professional grade data acquisition and analysis system
- Up to 4 channels
- Automatic sampling rate
- Short pulse duration capture
- Automatic or manual triggering
- Multi-tool data manipulation

INCLINE IMPACT SERIES MODEL COMPARISON



The L.A.B Incline Impact can easily be configured to be CE compliant as well as meet all local health and safety requirements.

CE COMPLIANT

The remote operator control station, with the remote dolly release, facilitates a safe and secure release. The operator remote raising and lowering of the incline also insures a safe remote operation.

Properly positioning the system during installation, with a fencing system to restrict operator access, is all that is required for compliance.

Model	II1000	II2000	II4000	II6000	II8000	II10000
Payload Capacity	1000 lbs / 454 Kg	2000 lbs / 907 Kg	4000 lbs / 1815 Kg	6000 lbs / 2722 Kg	8000 lbs / 3630 Kg	10000 lbs / 4537 Kg
Impact Face	60 in x 60 in / 1524 mm x 1524mm	72 in x 72 in / 1829 mm x 1829 mm	84 in - 84 in / 2134 mm x 2134 mm	84 in - 84 in / 2134 mm x 2134 mm	84 in - 84 in / 2134 mm x 2134 mm	96 in - 96 in / 2438 mm x 2438 mm
Dolly Surface Area	48 in x 48 in / 1219 mm x 1219 mm	60 in x 60 in / 1524 mm x 1524mm	72 in x 72 in / 1829 mm x 1829 mm	72 in x 72 in / 1829 mm x 1829 mm	72 in x 72 in / 1829 mm x 1829 mm	84 in - 84 in / 2134 mm x 2134 mm
Impact Velocity	8 ft/sec / 2.22 m/sec					
Simulates Free Fall Height	18 in / 457 mm					

Standard configurations shown. Optional Dolly and/or Impact Face sizes available.

Due to our continuous commitment to product development, the above specifications and features may be modified without notice.

LAB
Your Only Source for Customer Focused Shock & Vibration Test Solutions

L.A.B Equipment LLC, 1549 Ardmore Avenue, Itasca, IL 60143, USA
Phone: 630-595-4288 Fax: 630-595-5196 www.labequipment.com

TECHLAB SYSTEMS

L.A.B
Your Only Source for Customer Focused Shock & Vibration Test Solutions

VELOCITY METER

TECHLAB SYSTEMS

VM1200 VELOCITY METER

For ultimate accuracy in incline impact testing and in a variety of other situations.

TEST WITH CONFIDENCE



- Compliments the incline impact tester with direct measurement and display of velocity
- Minimizes setup and maintenance time
- Easy to read digital display set for Feet/sec or Meters/sec
- Unit can be integrated with most existing incline impact testers on the market
- Required for ASTM, and ISTA specification compliance
- "Stand alone" meter can be conveniently located near the user or Incline Impact tester

PERFORMANCE

The VM1200 Velocity Meter combines state of the art digital circuitry with simple pushbutton operation. Velocity measurement is done quickly and easily once the reset button is pushed and the dolly triggers the gated measurement system.



Standard flag, gate, and cable

PRECISION

This unit provides a single display of velocity measurement. A single pushbutton user interface allows the user to focus on accurately performing the test.

ACCURACY

The VM1200 has been factory tested and calibrated to ensure your measurements are accurate and repeatable. L.A.B. provides efficient annual factory calibration for the VM1200 resulting in minimal down time.

SPECIFICATIONS

Accuracy:	1.00Hz to 100.00Hz, +/- 0.1% @ 25°C
Display:	4-6 digits
Input Power:	115 or 220 VAC, 50 or 60 Hz
Power Line Fuse:	1/8 Amp
Sensor Current Draw:	Emitter - 10mA maximum, Receiver - 15mA maximum

CE COMPLIANT

Noteworthy Features of the VM1200

- Product velocity can be displayed in either English or Metric units
- Optical gate system measures velocity of guided moving objects such as shock machine carriages, horizontal and incline impact testers, cushion testers etc.
- System consists of digital readout timing device, optical gate and trigger blade
- Special mounting bracket design specific to each Incline System. Customer needs to specify model if ordering for existing unit to confirm compatibility.

INCLINE IMPACT

TECHLAB SYSTEMS

Rev G

L.A.B
Your Only Source for Customer Focused Shock & Vibration Test Solutions

L.A.B Equipment LLC, 1549 Ardmore Avenue, Itasca, IL 60143, USA
Phone: 630-595-4288 Fax: 630-595-5196 www.labequipment.com