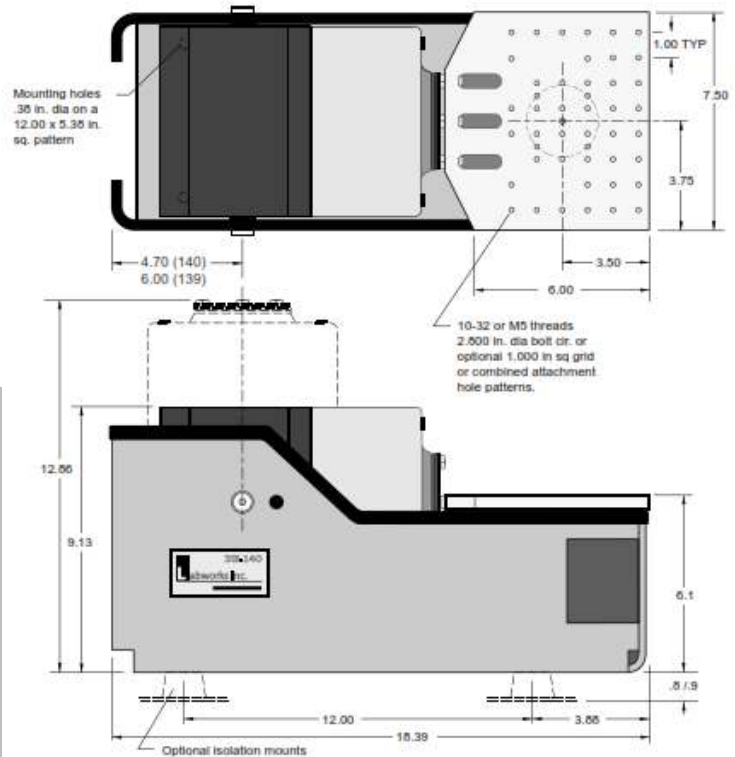


# DB-140/DB-139 DuoBase Shaker

- Large mounting surface
- 1.0 inch p-p stroke
- Horizontal and vertical testing
- Lightweight magnesium table



The DB-140 and -139 flexure tables offer a larger mounting surface with high-load carrying capability for applications where lower acceleration levels are needed with large or heavy loads. The flexure table suspension systems utilize highly damped, oversized linear flexures and dynamic absorbers to provide support and guidance without the use of heavy granite surface plates or oil. Since no oil is used, the complete base system can be rotated into the vertical position to facilitate vertical axis guided testing. Base mounting holes are provided on the bottom as well as the rear of the base to facilitate vertical flexure table operation. The shaker can also be disconnected from the table, rotated to the vertical position, and then used as a normal vertical shaker without the additional weight of the table. Rotating the base with the shaker in this position also allows horizontal operation without the flexure table. These bases are supplied with removable carrying handles..



## General Specifications<sup>1</sup>

|                               |                            |
|-------------------------------|----------------------------|
| Moving Element Weights        |                            |
| Flexure Table weight          | 2.8 lbs                    |
| Shaker Armature weight        | 1.0 lb                     |
| Total Moving Element Weight   | 3.8 lbs                    |
| Maximum Recommended Loads     |                            |
| Table vertical/horizontal     | 40 lbs                     |
| Table mounting CG moment      | 20 in-lb                   |
| Shaker Only Vertical          | 15 lbs                     |
| Table Mounting Surface (in.)  | 6 L x 7.5 W                |
| Max. Bare Table Acceleration* | 29 gpk(140) / 20 gpk(139)  |
| Bare Table Resonance Freq.    | 3000 Hz                    |
| Maximum Useable Freq.         | 4500 Hz                    |
| Displacement                  | 1 inch pk-pk               |
| Table Mounting Hole Pattern   | Same as shaker             |
| Complete Base + Shaker Wt.    | 100 lb (140) / 70 lb (139) |
| Overall Dimensions (in.)      | 18.4 L x 9.1 H x 7.5 W     |

### Options

- Additional Mounting Holes
- SI-DB140 / SI-DB139 Isolation Mounts

<sup>1</sup>Please see appropriate Shaker or System data sheet for performance specifications.

