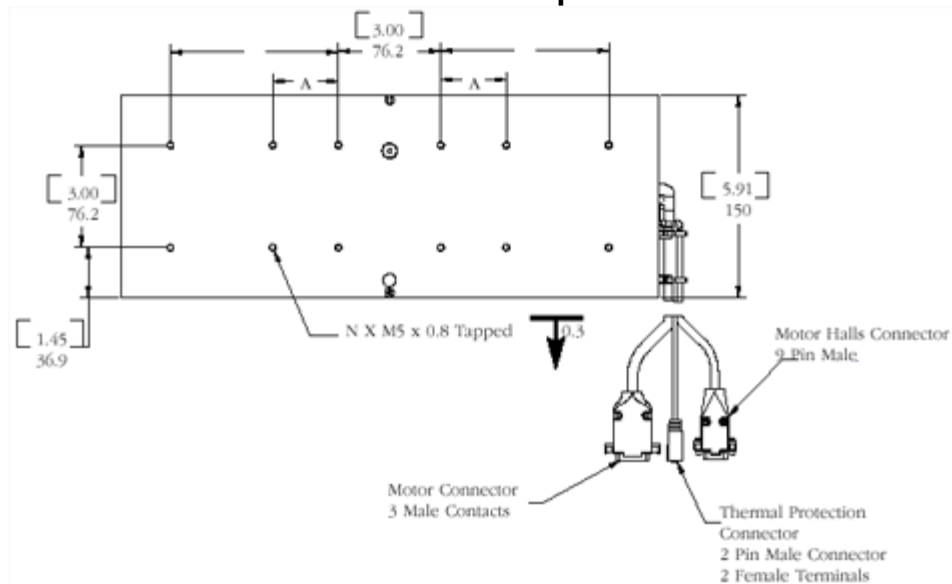


MAG-IL-50™ Moving Magnet Linear Motor Stage

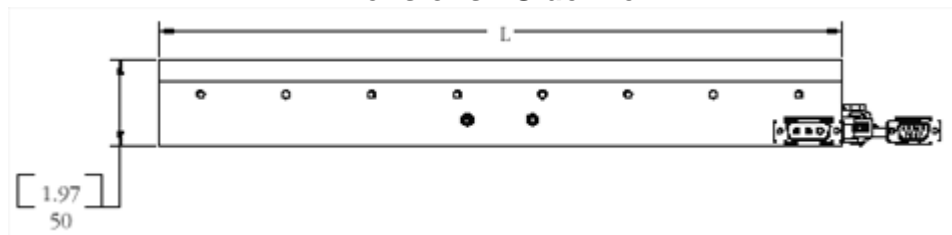


Product Dimensions

Dimensions - Top View



Dimensions - Side View



For Further Information Contact

Heason Technologies Group Ltd

Tel: +44(0)1403 755800

Fax: +44(0)1403 755810

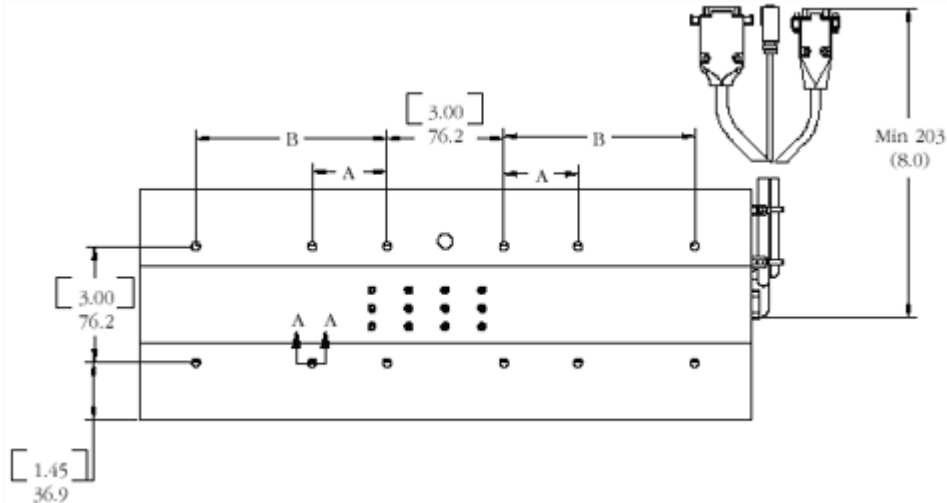
Email: sales@heason.com

Freephone 0800 374903 www.heason.com

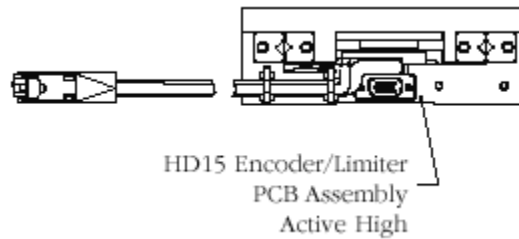
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MAG-IL-50™ Moving Magnet Linear Motor Stage

Dimensions - Bottom View



Dimensions - End View



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MAG-IL-50™ Moving Magnet Linear Motor Stage

Specifications

| | |
|--|-------------------------|
| Travel (inches) | 50 |
| Accuracy (µm) | 3 |
| Resolution Options (µm) | 1, 0.5, 0.1, 0.05 |
| Bi-directional Repeatability (arc-seconds) | ±1 count |
| Maximum Acceleration (m/sec) | 20 |
| Maximum Velocity (m/sec) | 5 |
| Load Capacity (kg) ¹ | 75 |
| Mass (kg) | Moving 5.8 Total 8.5 |
| Pitch & Yaw (arc-seconds) | 5 |
| Flatness & Straightness (µm) | 3 |
| Fundamental Motor Constant (130°C) | 4.7N / √Watt |
| Motor Force Constant (N/A) | 16.8 |
| Back-emf Constant (V/m/s) | 13.7 |
| Coil Resistance @ 25°C (Ohm) | 6.1 |
| Coil Inductance (mH) | 1.3 |
| Continuous Current (130°C, Amps) | 2.3 |
| Peak Current (A) | 7.1 |
| Continuous Force @ 130°C (N) | 38 |
| Peak Force (N) | 120 |
| Continuous Power Rating (W) | 65 |
| Thermal Resistance (°C/W) | 1.61 |

¹ Please contact our Applications Engineers for loads exceeding 75kg.
Note: Maximum speed and velocity is load and encoder dependent.

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