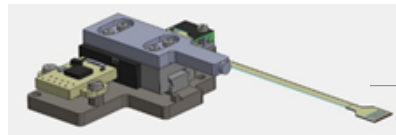


Application Recommendations

Nanomotion has developed a **Miniature Scanning Module** with precise motion, constant velocity and low angular error, for:

- Handheld Spectroscopy
- Analytical Instruments
- XRF & Material Analysis



Product Description

Moving mass to 10g with operation in any orientation

- Up to 4mm travel
- Closed loop operation to 0.24 μ m resolution
- Scanning velocity from 50 μ m/sec to 50mm/sec
- Complete with drive and servo control

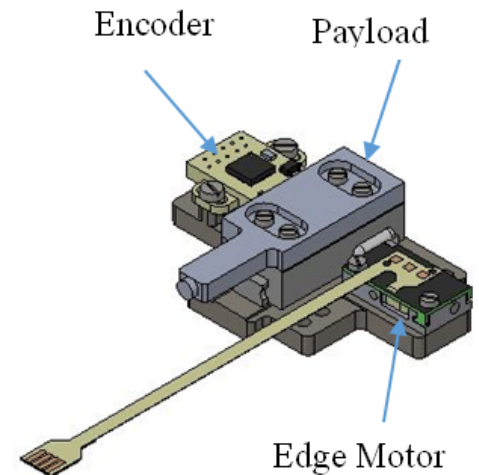
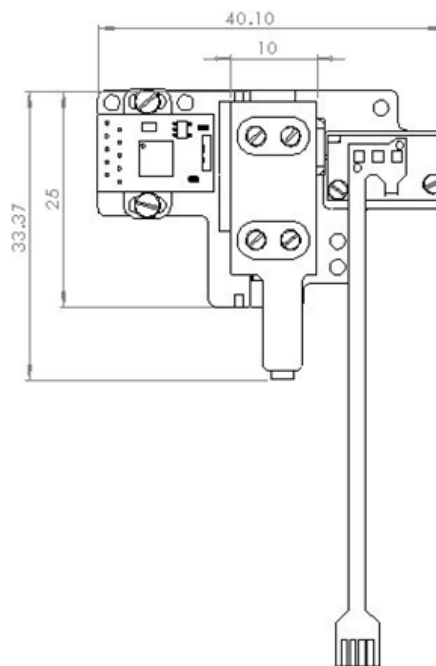
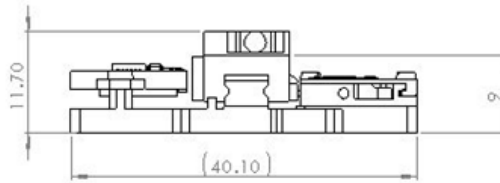
TECHNICAL SPECIFICATIONS

Travel: up to 4mm
 Angularity over scan:
 • Pitch/Yaw 30 μ rad
 Velocity Control: 0.05mm/sec
 Payload Mass: up to 10 grms

Input Power: 5V

Power Consumption:
 220 mA @ 5V Max Motor Power
 150 mA @ Nominal Operation
 90 mA @ No motion

Environment:
 Operating: -20°C to +60°C
 Non-Operating: -40°C to +71°C
 Shock & Vibration: Withstand drop test



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