

Supperware Head Tracker 1 specifications

Size	216 x 12 x 5mm
Weight	6.0 grams
Weight (shipping)	100 grams
Interface	Class-compliant MIDI over USB through micro-B connector; alternatively MIDI data over 115 200 baud UART.
Technology	MEMS inertial sensors: 3 accelerometers, 2 gyroscopes, 1 electronic compass. Combination of common and differential-mode sensing.
Accuracy	Better than 1 degree. Outputs in 0.028-degree intervals.
Latency	Nominally 10ms, depending on angular velocity and output rate.
Drift	Compensated using factory calibration and subsequent comparison with other sensors. Yaw may drift by 3 degrees per minute under contrived circumstances.
Output	Rotation only. 3 degrees of freedom. Tait-Bryan (yaw, pitch, roll), quaternions, or orthogonal matrix. Raw sensor outputs also available.