

TruePoint™ Compass Module HMR3500

The HMR3500 TruePoint™ compass module is a 3-axis digital compass solution with a customizable coordinate system for mounting in any desired orientation. Three Anisotropic Magneto-Resistive sensors and three MEMs accelerometers are combined to provide compass heading as well as pitch and roll angles.

The HMR3500 has provisions for hard and soft-iron correction algorithms to handle magnetic distortion effects. In addition a World Magnetic Model feature is provided to automatically add declination angle corrections for reference to true north (geographic north).

Honeywell provides product excellence and performance by introducing innovative solid-state magnetic sensor solutions. These are highly reliable, top performance products that are delivered when promised. Honeywell's magnetic sensor products provide real solutions you can count on.



FEATURES

- ▶ Precision Compass Accuracy
- ▶ Tilt-Compensated
- ▶ Update Rate to 25Hz
- ▶ Compact Solution in a 1.97" by 1.65" by 0.52" PCB Assembly
- ▶ Hard and Soft-Iron Compensation Routines
- ▶ World Magnetic Model Included
- ▶ -40° to +85°C Operating Temp Range
- ▶ +5 DC Supply Voltage Range
- ▶ Light Weight
- ▶ Customizable Coordinate System
- ▶ All Solid State Components

BENEFITS

- ▶ Better Than 1° Nominal Heading Accuracy (1 σ), 0.1° Resolution
- ▶ $\pm 89^\circ$ Pitch and Roll, 360° Continuous Roll Capability
- ▶ Rapid Heading Computations for Guidance Applications
- ▶ Small Size for Tight Mounting Conditions, Minimal Layout Constraints
- ▶ User Driven Calibration to Null Stray Fields, A Single Routine for Both Hard and Soft Iron Corrections
- ▶ Choice of True North or Magnetic North References
- ▶ Consumer and Industrial Environment Uses
- ▶ Customizable to a Wide Variety of Power Sources
- ▶ 3.0 oz with Aluminum Housing, 0.6 oz PCB only
- ▶ 24 Custom Coordinate Orientations
- ▶ Rugged for User-Defined Orientation Plane

Truepointacaezac Compass Module Hmr3500 Honeywell

Yicheng Fang



Truepointacaezac Compass Module Hmr3500 Honeywell:

Reviewing **Truepointacaezac Compass Module Hmr3500 Honeywell**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Truepointacaezac Compass Module Hmr3500 Honeywell**," an enthralling opus penned by a very acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

http://www.frostbox.com/data/scholarship/default.aspx/suzuki_gsxr750_gsx_r750_2002_repair_service_manual.pdf

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