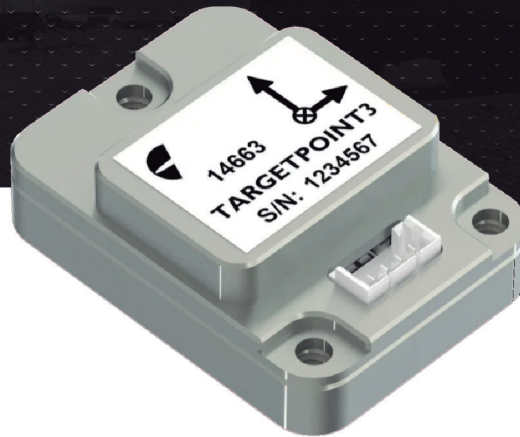


Digital Magnetic compass DMC



DMC001 Series

DMC001 is a high performance digital compass. It fuses reference Magnetic Sensors with a 3-axis accelerometer. The result is a new Low-SWaP-C targeting compass that consistently delivers accurate in-field heading, while minimizing the need for in-field calibration.

DMC001 finds North to within 0.25° of accuracy in actual field-use. Unlike traditional digital magnetic compasses that too often require complex manual recalibration procedures, it reliably alerts users to its heading accuracy by degree, ensuring more usefulness without recalibrating.

Key features:

- High accuracy 0.25° typical heading accuracy, 0.01° resolution
- Update rate to 25Hz
- HELIOS C2 compatible
- Compact Solution
- Hard and soft-iron compensation routines
- Network access and remote calibration
- Magnetic anomaly detection
- Wide working temperature range



Specifications:

	DMC001
Accuracy	0,25°
Resolution	0,1°
Repeatability	0,05°
Roll range	Default orientation X axis ±180°
Pitch range	Default orientation Y axis ±90°
Accuracy	0,1°
Roll repeatability	0,1° RMS
Pitch repeatability	0,05° RMS
Resolution	0,01°
Reading samples	25/Sec.
Communication	TTL/Network 10/100
Waterproof	IP66
Relative humidity	95% not condensing
Working temperature	-40/85°C.
Power demand	3,3vDC. / 0,09A
Size	3x2x2cms.

* AI/Deep learning/Object classification and advanced features with HELIOS C2
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