M1000

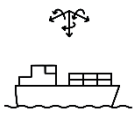
FOG based high-performance ship compass system

M1000 adopts advanced fiber optic gyroscope and strapdown calculation technology to autonomously measure the ship's angular motion, and has the ability to continuously provide information such as heading, pitch, and roll of the carrier to the outside world, providing basic information support for ship navigation at sea.

FEATURES AND BENEFITS

- Long service-life
- Maintenance-free
- Short startup time
- Affordable price with good quality
- No need to replace gyro regularly, and replace traditional gyro-compass

APPLICATIONS



Ships monitoring and Navigation

Prevent Cargo damage and Container loss. Add accurate ship motion measurements for safe and optimal vessel operations.

TECHNICAL SPECIFICATIONS

System Accuracy	Product type	M1000
	Category	FOG Compass
	Heading accuracy (RMS, 1σ)	≤0.5°secϕ (Pure inertial 1h)
	Attitude accuracy (RMS, 1σ)	≤0.02° (Static), ≤0.05° (Dynamic)
	Heave (RMS)	≤5cm or 5% Take the bigger value of H (H refer to Heave)
Interface	Output	RS232/RS422
	Input	GNSS
	Data frequency	0 ~ 100Hz (Configurable)
	Protocol	NMEA0183/RS422/RS232
Physical Characteristics	Size	177 x 202 x 138 (mm)
	Weight	≤5Kg
	Voltage	18 ~ 36VDC
	Power	≤20W
Timing	Starting time	≤20min
Environment	Operation temp	-40℃ ~ 60℃
	Storage temp	-50℃ ~ 80℃

sales@memsmag.com / www.memsmag.com / Whatsapp: +8618151836753
LinkedIn: www.linkedin.com/company/micro-magic-inc

Micro-Magic
Attitude and Positioning Be Everywhere!