C9-B: HIGH PRECISION DIGITA OUTPUT 2D ELETRONIC COMPASS

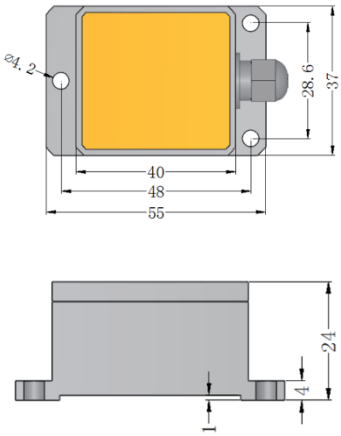
PRODUCT DESCRIPTION

C9-B is a high-precision two-dimensional (2D) electronic compass launched by MXMW Hi-Tech Company, which measures azimuth angles from 0 to 360 °. It is equipped with American patented technology, an industrial grade microcontroller with high reliability and strong anti-interference ability, and a high-precision magnetic sensor and driver chip. It integrates hard magnetic interference and soft magnetic interference compensation technology. It can be customized according to customer needs and can easily and quickly integrate electronic compass functions into various products.

PRODUCT MAIN SPECIFICATION

Parameter		C9-B
Compass heading parameters	Heading accuracy	1°
	Resolution	0.1°
	Repeatability	0.3°
Compass inclination parameters	Navigation tilt angle range	±5°
	Heading angle measurement range	0~360°
Calibration	Hard iron calibration	Yes
	Soft iron calibration	Yes
	Magnetic field interference calibration	Rotate the plane once (2D calibration)
Physical properties	Size	L55*W37*H24 (mm)
	Weight	75g
	RS-232/RS485 interface connector	5-pin aviation connector
Interface features	Startup delay	<50ms
	Maximum sampling rate	50 times/second
	RS-232 communication rate	2400~19200 baud rate
	RS-485 communication	optional
	TTL communication	optional
	Output format	hexadecimal
Power supply	Support voltage	DC+5V(9~36V)
	Current (max)	40mA
	Working mode	30mA
Environment	Storage range	-40℃--+125℃
	Working temperature	-40℃--+70℃
	Vibration resistance	2500g

PRODUCT DIMENSION



SIZE: L55*W37*H24MM

PRODUCT APPLICATION

- Individual combat equipment
- Petroleum geological logging
- Underwater navigation
- Navigation GPS
- Marine survey
- Ship navigation attitude measurement
- Accurate laser platform equipment
- Unmanned aerial vehicles (UAV)
- Based on inclination monitoring