

Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

MARINE COMPASS

CGY-165 Projection Magnetic Compass

The projection magnetic compass is specially suitable for various kinds of large and medium merchant ships & naval service vessels to indicate the heading and determine the azimuth. With the help of a...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Marine Compass
Standard	ISO
Weight / Size	Card diameter $\Phi 165\text{mm}$ Card graduations $0^{\circ}\sim 365^{\circ}$ (1 $^{\circ}$ per graduation) Opera...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.



Technical Specifications			
Category	Marine Compass	Model / SKU	CGY-165-Projection-Magnetic-Compass
Standard	ISO	Weight / Size	Card diameter $\Phi 165\text{mm}$ Card graduations $0^{\circ}\sim 365^{\circ}$ (1° per graduation) Operating temperature $-30^{\circ}\pm 60^{\circ}\text{C}$ Direction error not more than 0.5° Semi-period($H=34\mu\text{T}$ at $20\pm 3^{\circ}\text{C}$) not less than 8.8sec Friction error($H=34\mu\text{T}$ at $20\pm 3^{\circ}\text{C}$) not more than 0.088° Flexible range of optical cylinder $\pm 50\text{mm}$ Enlarge factor of card's image ≈ 2 Correcting capacity for coefficient B,C($H=34\mu\text{T}$) $0.5^{\circ}\sim 40^{\circ}$ Correcting capacity for coefficient D $0.5^{\circ}\sim 10^{\circ}$ Correcting capacity for coefficient H $-75\mu\text{T}\sim +75\mu\text{T}$ Correcting capacity for Flinder's bar($Q=45^{\circ}$) not less than 6° Overall dimensions $446\times 774\times 1332\text{mm}$ Total weight of the compass 68kg Cylinder Length 455mm,700mm,1000mm,and for selevtion to adapt to the different deck hight.
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	Warranty	12 Months unless specified otherwise
Origin	China		

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China CGY-165 Projection Magnetic Compass:

The projection magnetic compass is specially suitable for various kinds of large and medium merchant ships & naval service vessels to indicate the heading and determine the azimuth. With the help of an excellent optical projection system, the operator can easily and precisely observe the ship's heading in wheelhouse.

It can be conveniently mounted on the compass desk (the top of wheelhouse), the optical cylinder within the binnacle can stretch into the wheelhouse through the base of binnacle. Partial image of the card of compass bowl can be displayed on the plane mirror at the end of the optical cylinder.

The compass is designed to meet the technical requirements of GB/T14108-93 and ISO-449 standards referring Class A magnetic compass.

Characteristics:

Good in performance and high in reliability.



Used as a standard compass, also a steering compass.

Optical cylinder can be adjusted along with its axis and rotated about its axis, then conveniently observed by operator.

Illumination projection system can be adjusted in wheelhouse.

On the glass of the compass bowl is mounted a location block on which can be mounted various sensors for interfacing with an autopilot.

Standard Construction:

Compass bowl

Binnacle

Helmet

Optical cylinder

Reflector device

Illumination adjustor box

Correcting tools: 6.7×30 correcting magnet; correcting sheet for quadranta deviation; Flinder's bar.

Main Technical Data:

Card diameter	Φ165mm
Card graduations	0°~365°(1° per graduation)
Operating temperature	-30°±60°C
Direction error	not more than 0.5°
Semi-period(H=34uT at 20±3°C)	not less than 8.8sec
Friction error(H=34uT at 20±3°C)	not more than 0.088°
Flexible range of optical cylinder	±50mm
Enlarge factor of card's image	≈2
Correcting capacity for coefficient B,C(H=34uT)	0.5°~40°
Correcting capacity for coefficient D	0.5°~10°
Correcting capacity for coefficient H	-75uT~+75uT
Correcting capacity for Flinder's bar(Q=45°)	not less than 6°
Overall dimensions	446×774×1332mm
Total weight of the compass	68kg
Cylinder Length	455mm,700mm,1000mm,and for selevtion to adapt to the different deck hight. The other length is also available on request.