

GYRO COMPASS

NGC-5010/5030/5050/5070

NSR's new products of Fiber Optic Gyrocompass:

- 4 models with heading accuracy up to $\leq 0.1^\circ \times \text{sec}\phi$
- Short settling time and flexible operating modes
- Large 7-inch color LCD
- Touch screen operation
- Data interface to BAM/INS
- Maintenance-free design
- Suitable for HSC
- Type approval with DNV (MED) for both gyro compass and ROT indicator



- NGC-50X0 uses advanced optical technology and signal processing algorithms to determine the heading accurately.
- Highly accurate HDG, ROT.
- Multi outputs of RS422.
- Compliant with the standards of IMO A.424 (XI), IMO A.821 (19), IMO A.694 (17), IMO A.526 (13), ISO 8728:2024 and ISO 16328:2014, etc.



EQUIPMENT LIST

● STANDARD

NGC-5010		NGC-5030		NGC-5050		NGC-5070	
Compass Unit ($\leq 0.1^\circ$)	NGC-501	Compass Unit ($\leq 0.3^\circ$)	NGC-503	Compass Unit ($\leq 0.5^\circ$)	NGC-505	Compass Unit ($\leq 0.7^\circ$)	NGC-507
Interface Unit	NGC-512	Interface Unit	NGC-512	Interface Unit	NGC-512	Interface Unit	NGC-512

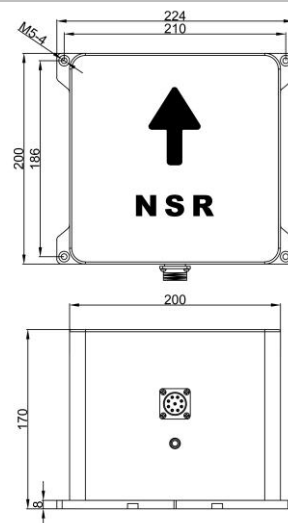
● OPTIONS

Display Unit	NGC-513	Remote Unit	NGC-514	ROT Indicator	NGC-516	ROT Dimmer	NGC-516R
Steering Repeater Compass	NGC-518	Bearing Repeater Compass	NGC-519	JUNCTION BOX	NGC-519J	Azimuth Reading Device	NGC-519A
Wall Mounting Bracket	NGC-519B	Floor-Standing Mounting Bracket	NGC-519S	Thermal Printer	NPT-100	Flush Mount Bracket for NGC-513 NFB700A	

SPECIFICATIONS

Settling Time	10 min
Heading Accuracy	NGC-5010: $\leq 0.1^\circ \text{ sec}\phi$
	NGC-5030: $\leq 0.3^\circ \text{ sec}\phi$
	NGC-5050: $\leq 0.5^\circ \text{ sec}\phi$
	NGC-5070: $\leq 0.7^\circ \text{ sec}\phi$
Power Supply	AC 220V, DC 24V
Power Consumption	$\leq 55W$
Display	7-inch, color LCD, touch screen operation, Android O/S 154 (W) $\times$ 87 (H) mm, 1024 $\times$ 600 dots resolution
Interface	External Compass, Repeater, Heading Out, Sensor Input, Alarm System, BAM/INS, Printer
Operating Temperature	-35°C $\sim$ +65°C (for NGC-519), -20°C $\sim$ +55°C (for other items)
IP Grade	IPX6 (for NGC-519), IP22 (for other items)

SIZE DIMENSION

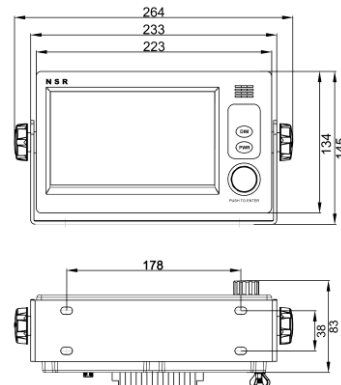
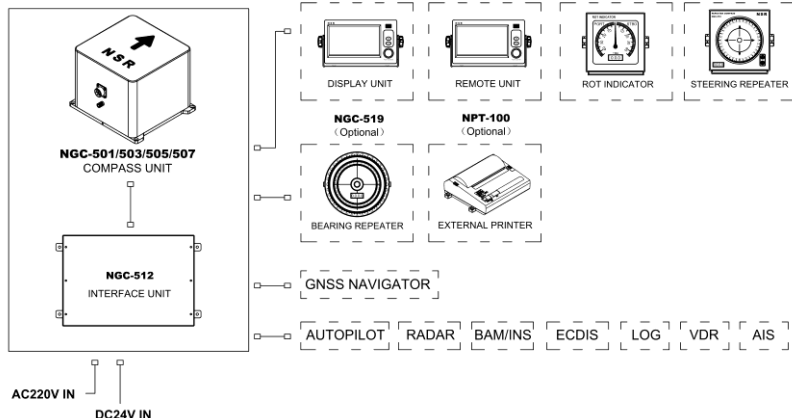


COMPASS UNIT

SYSTEM DIAGRAM

NGC-5010/5030/5050/5070

MARINE FIBER OPTIC GYRO-COMPASS



DISPLAY UNIT