

GNSS Compass

KC-1400

Safe navigation with multi-GNSS compass system



Features

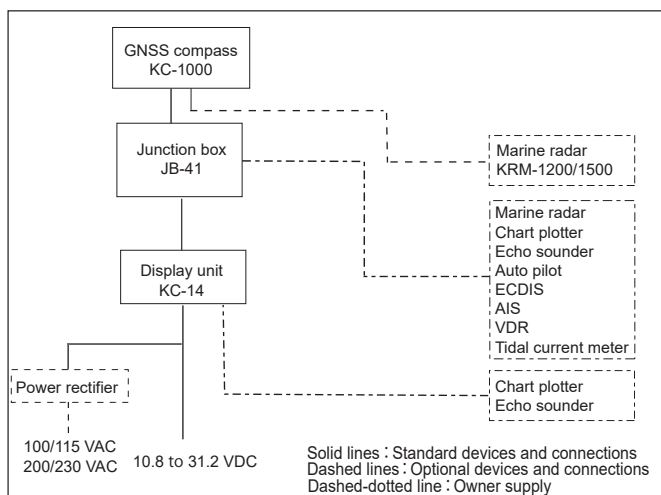
- ▶ Compatible with GPS / QZSS, Galileo, BeiDou, GLONASS
- ▶ Highly accurate heading, position, speed, rolling, pitching and heaving data
- ▶ SBAS (MSAS / WAAS / EGNOS) enabled
- ▶ 10,000 waypoints, 100 routes and 3,000 track points
- ▶ Built-in high-precision gyro sensor for backup
- ▶ Equipped with four data ports of NMEA0183 x 3, LAN (IEC61162-450) x 1
- ▶ 4.3-inch high-resolution Color LCD
- ▶ Equipped with numeric keypad

SPECIFICATIONS

Model	KC-1400		
Display unit	KC-14		
GNSS compass	KC-1000		
Display size and type	4.3-inch color LCD (480x272 dots, effective picture area: 95.04x53.86 mm)		
Receiving frequency	1575.4200 MHz / 1561.0980 MHz / 1602.5625 MHz		
Receiving channel	72 channels		
Received signal	GPS	1575.4200 MHz	L1 C/A
	QZSS		L1C/A, L1S
	Galileo		E1 B/C
	SBAS		L1 C/A
	BeiDou	1561.0980 MHz	B1
	GLONASS	1602.5625 MHz	L1 OF
Sensitivity	-148 dBm or less		
Setting time	90 seconds or less (standard)		
Time to position fix	50 seconds or less (standard)		
Accuracy	Heading	0.5° rms or less	
	Position	GPS: 10m (2 drms, SA: OFF, PDOP: 3 or less) SBAS: 3m (2 drms, SA: OFF, PDOP: 3 or less)	
	Velocity	1 m / sec (rms, SA: OFF, PDOP: 3 or less)	
Heading resolution	0.1°		
Maximum rate of turn	45° / sec		
Maximum role/pitch angle	30°		
Maximum follow-up acceleration	1 g		
Base line length	0.5 m		
Presentation mode	Compass 1, Compass 2, ROT, NAV1, NAV2, NAV3, Navigation Graph, Highway, Plotter, POB		
Position data display	Latitude/longitude in increments of 0.0001 minutes, converted Loran C LOPs, converted Loran A LOPs, converted Decca LOPs		
Navigational display	Speed, Course, Distance/Bearing/XTD/CDI/Time to Waypoint, Present time (UTC or LOC), Satellite status, Distance/Bearing between two points, POB display		
Instant (event) memory	1,000 points		
Waypoint memory	9,000 points		
Route memory	100 routes reverse trail possible		
Alarm	GNSS Fix, ANCH, PROX, XTD, CDI		
Compensation	Heading, Latitude/Longitude, LOP, Time difference, Pitch/Roll		
Magnetic compensation	Automatic or Manual		
Parameters	Sailing mode (Great circle / Rhumb Line), Position display (L/L Lop), Language, LOP (Loran C, Loran A, Decca), Memory of waypoints and name (up to 10 letters), Selection of measuring unit (nm, sm, km), Position/Velocity/Heading/Pitching/Rolling/ROT/Heaving averaging constant		
Output data format and sentences	NMEA 0183 Ver.2.0, IEC 61162-1ed5, IEC 61162-450 AAM, APB, ATT, BOD, BWC, DTM, GBS, GGA, GLL, GNS, GSA, GSV, HDM, HDT, HVE, RMB, RMC, ROT, RTE, THS, VTG, WPL, XTE, ZDA, PKODG21, ALC, HBT (DATA3/4 only)		
Power supply	10.8 to 31.2 VDC		
Power consumption (24 VDC)	12W or less		

Environmental

Operating temperature	Display unit	-15°C to +55°C
	GNSS compass	-25°C to +55°C
Water protection	Display unit	IPX4
	GNSS compass	IPX6



EQUIPMENT LIST

Standard Equipment

Display unit	KC-14	With mounting bracket and hard cover
GNSS compass	KC-1000	With bird protector
DC power cable	CW-276-2M	With 5-pin connector and one end plain
Connecting cable	CW-430-5M	6 pin water resistant connector and one end plain
NMEA cable	CW-427-15M	12-pin water resistant connector and one end plain
Junction box	JB-41	For connection between Display unit and GNSS compass
Operation Manual, Installation material		

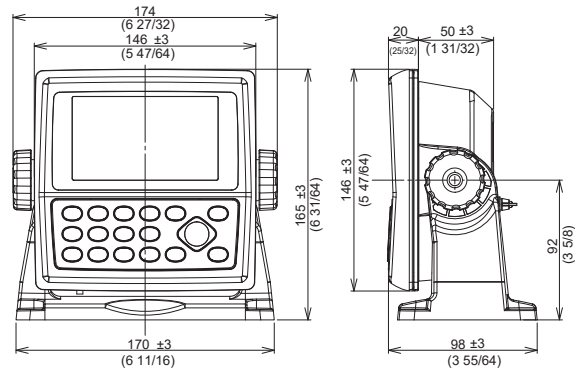
Option

Connecting cable, Junction box, Power rectifier, AC power cable, LAN cable, NMEA extension cable, LAN extension cable

DIMENSIONS AND WEIGHT

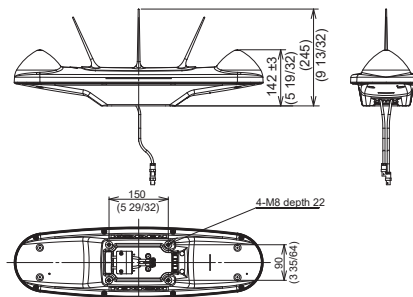
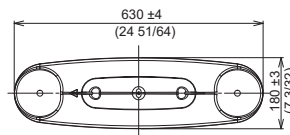
Display unit
KC-14

Unit: mm (inch)



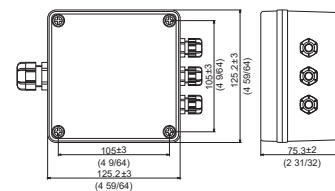
Weight : 0.89kg (1.96lb)

GNSS compass
KC-1000



Weight : 2.5kg (5.51lb)

Junction box
JB-41



Weight : 0.48kg (1.06lb)

• Design and specifications are subject to change without notice.

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Safety precaution

To ensure proper and safe use of the equipment, please carefully read and follow the instructions in the Operation Manual.

For details, please contact: