

## Discontinued Products & Maintenance

This is information on Discontinued Products & Maintenance for marine market, discontinuation date and alternative products are shown in the following lists. Alternative products may be differences on the dimension, specification etc., since please ask our sales or service department.

### Maintenance Support

According to the Guideline for Navigation and Radio Communication Equipment Maintenance issued by the Navigation Equipment Grope of the Japan Marine Equipment Association, maintenance support shall, in principal, be assured for a period of ten years after discontinuation of products. We will make an effort to extend the maintenance period after the end of support date. However, there may be unavoidable circumstances where maintenance support cannot be provided because of the unavailability of the required parts or other factor.

Note:

A: Available

B: Still available except some parts

C: Unavailable

TBA: To Be Announced

Products	Type	Discontinued Date of Production	Discontinued Date of Maintenance	Parts Availability	Alternative Product
Gyro Compass	GM-10	Jan-1990	Unavailable	C	ES-180
Gyro Compass	GM-20 Series	Mar-2021	Feb-2031	A	ES-180
Gyro Compass	ES-11A	Jul-1992	Unavailable	C	ES-180
Gyro Compass	TG-3000	Sep-2002	Unavailable	C	TG-8100 Series
Gyro Compass	TG-5000	Jan-1995	Unavailable	C	TG-8100 Series
Gyro Compass	TG-6000	Jul-2003	TBA	B	TG-8100 Series
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Rate of Turn Meter	ROTI-100	Sep-2002	Unavailable	C	—
Rate of Turn Meter	ROTI-200	May-2008	Unavailable	C	ROTI-310/320
Rate of Turn Meter	ROTI-300	Mar-2008	Unavailable	C	ROTI-310/320
					—
Magnet Compass	SH-165A	Aug-2001	Unavailable	C	SH-165A1/SH-165A2
Magnet Compass	KF Series	Feb-2001	Unavailable	C	—
Magnet Compass	SM-611A	Mar-1999	Unavailable	C	—
Magnet Compass	SM-711A	Feb-2001	Unavailable	C	—
Electric Magnet Compass	EMC Series	Oct-1998	Unavailable	C	—
					—
Auto Pilot	PR-100Series	1985	Unavailable	C	—
Auto Pilot	PR-200Series	1982	Unavailable	C	- PR-3000Series - PR-9000Series
Auto Pilot	PR-1000Series	Sep-2000	Unavailable	C	—
Auto Pilot	PR-1500Series	Sep-2003	Unavailable	C	—
Auto Pilot	PR-1600Series	Apr-2002	Unavailable	C	—
Auto Pilot	PR-4000Series	Nov-1991	Unavailable	C	PR-9000Series
Auto Pilot	PR-5000Series	Jan-1986	Unavailable	C	PR-9000Series
Auto Pilot	PR-6000Series/Early Model (Non Feedback sensor alarm)	Mar-2007	TBA	B	PR-9000Series
Auto Pilot	PR-6000Series/Late Model (Feedback sensor alarm)	Jul-2017	TBA	A	PR-9000Series
Auto Pilot	PR-7000Series	Nov-1991	Unavailable	C	PR-9000Series
Auto Pilot	PR-8000Series	May-1998	Unavailable	C	PR-9000Series
Heading Control System	PR-6000-ZZ	May-2016	TBA	B	PR-9000-ZZ
Tracking Interface	TIF-6	Jan-2017	TBA	B	TIF-3
Tracking Pilot	TP-10	Mar-2003	Unavailable	C	—
Tracking Pilot	TP-20	Aug-2005	Unavailable	C	—
Tracking Pilot	TP-30Series	Sep-2006	Unavailable	C	—
Engine Remote Controller	SE-1D	Feb-2005	Unavailable	C	—
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Joystick Controller	TOMAC-100	Oct-2002	Unavailable	C	—

Products	Type	Discontinued Date of Production	Discontinued Date of Maintenance	Parts Availability	Alternative Product
Hydraulic Steering Gear	for PR-2000Series S/T-015 to 250	Apr-1985	Unavailable	C	—
Hydraulic Steering Gear	for PR-1000Series UN/TN/UP-003 to 014	Apr-1990	Unavailable	C	—
Hydraulic Steering Gear	for PR-1500Series MP/MU/MT-002 to 014TC	Apr-2003	Unavailable	C	—
Hydraulic Steering Gear	for PR-1600Series HMT-008TC HMT-014TC HMU-008TC HMU-014TC	Apr-2003	Unavailable	C	—
Hydraulic Steering Gear	for PR-2000Series SS/TS-015 to 085 SS-100 SL/TL-015 to 085 SL-100 SP-W**-015 to 250	Apr-1993	Unavailable	C	for PR-3000Series SS/TS-020S/R to 085S/R SS-100S/R SL/TL-020S/R to 085S/R SL-100S/R SP-W**-015S to 250S

RADAR (for coastal vessel)	BR-100Series	Jan-2000	Unavailable	C	—
RADAR (for coastal vessel)	BR-200Series	Jan-1992	Unavailable	C	—
RADAR (for coastal vessel)	BR-300Series	Jan-1993	Unavailable	C	—
RADAR (for coastal vessel)	BR-900Series	Feb-1999	Unavailable	C	—
RADAR (for coastal vessel)	BR-910Series	Mar-2002	Unavailable	C	—
RADAR (for coastal vessel)	BR-1000Series	Feb-2000	Unavailable	C	—
RADAR (for coastal vessel)	BR-1210Series	Mar-2002	Unavailable	C	—
RADAR (for coastal vessel)	BR-1500Series	Mar-2002	Unavailable	C	—
RADAR (for coastal vessel)	BR-1800Series	Jan-2001	Unavailable	C	—
RADAR (for coastal vessel)	BR-2220CSeries	Sep-2003	Unavailable	C	—
RADAR (for coastal vessel)	BR-2500Series	Jan-1995	Unavailable	C	—
RADAR (for coastal vessel)	BR-2510CSeries	Dec-1998	Unavailable	C	—
RADAR (for coastal vessel)	BR-2520CSeries	Oct-2006	Unavailable	C	—
RADAR (for coastal vessel)	BR-2530CSeries	May-2004	Unavailable	C	—
RADAR (for coastal vessel)	BR-2540Series	Oct-2008	Unavailable	C	—
RADAR (for coastal vessel)	BR-2550Series	Jul-2019	2028	A	—
RADAR (for coastal vessel)	SRV-270	Mar-1998	Unavailable	C	—
RADAR (for coastal vessel)	RASCAR2510Series	Jul-1993	Unavailable	C	—
RADAR (for medium or large vessels)	BR-1600Series	Jan-1993	Unavailable	C	—
RADAR (for medium or large vessels)	RASCAR2500Series	Oct-1995	Unavailable	C	—
RADAR (for medium or large vessels)	RASCAR3400Series	Oct-1995	Unavailable	C	—
RADAR (for medium or large vessels)	RA50 Series (Anritsu)	2004	Unavailable	C	—
RADAR (for medium or large vessels)	RA70 Series (Anritsu)	2002	Unavailable	C	—
RADAR (for medium or large vessels)	BR-3460Series	Aug-2007	Unavailable	C	—
RADAR (for medium or large vessels)	BR-3440Series (Prior to IMO MSC.64 (67))	Dec-1998	Unavailable	C	—
RADAR (for medium or large vessels)	BR-3440Series (Comply with IMO MSC.64 (67) )	Nov-2008	Unavailable	C	—
RADAR (for medium or large vessels)	BR-3440Series (50KW 60KW type)	2004	Unavailable	C	—
RADAR (for medium or large vessels)	BR-3200Series	2017	2026	A	—

Electronic Chart System/ECS	ECS-3000	May-2004	Unavailable	C	ECS-9000 Series
Electronic Chart System/ECS	EC-5000	Jul-2003	Unavailable	C	EC-9000 Series
Electronic Chart System/ECS	EC-6000	May-2001	Unavailable	C	EC-9000 Series
Electronic Chart System/ECS	EC-6000S	Mar-2003	Unavailable	C	EC-9000 Series
Electronic Chart Display and Information System/ECDIS	EC-7000/7500	Feb-2009	Unavailable	C	EC-9000 Series
Electronic Chart Display and Information System/ECDIS	EC-7000-A/7500-A	Aug-2016	Unavailable	C	EC-9000 Series
Electronic Chart Display and Information System/ECDIS	EC-8000/8500 Series	Jun-2015	Mar-2024	B	EC-9000 Series
Electronic Chart Display and Information System/ECDIS	EC-8100/8600 Series	Nov-2022	TBA	A	EC-9000 Series
Electronic Chart Display and Information System	NID-2500 Series	Jan-1995	Unavailable	B	—
Chart Plotter	TCP-3000	Oct-2013	2023	B	—
Bridge Monitor	BM-2000	May-2002	Unavailable	C	TBA
Bridge Monitor	BM-3000	Dec-2011	Unavailable	C	TBA
Bridge Monitor	BM-8000/8500 Series	Feb-2015	2024	B	TBA
Engine Monitor	EM-80	1993	Unavailable	C	—
Engine Monitor	EM-1000	1994	Unavailable	C	—
Engine Monitor	EM-1600	2003	Unavailable	C	—
Engine Monitor	EM-3200	Apr-2003	Unavailable	C	—
Engine Monitor	EM-5000	Apr-1988	Unavailable	C	—

Products	Type	Discontinued Date of Production	Discontinued Date of Maintenance	Parts Availability	Alternative Product
Radio Communication System MF/HF	RSS112A Simplex	Nov-2003	Unavailable	C	—
Radio Communication System MF/HF	RSS112A Duplex	Nov-2003	Unavailable	C	—
Radio Communication System MF/HF	RSS113A Simplex	Jul-2007	Unavailable	C	—
Radio Communication System MF/HF	RSS113A Duplex	Nov-2005	Unavailable	C	—
Radio Communication System MF/HF	RSS107SA-82	Nov-1998	Unavailable	C	—
Radio Communication System MF/HF	RSS107SB-82	Nov-1998	Unavailable	C	—
Radio Communication System MF/HF	TRM-1500	Oct-2016	Dec-2023	B	—
Radio Communication System VHF	RSS201A	Jun-2005	Unavailable	C	—
Radio Communication System VHF	RU224A	Jun-2004	Unavailable	C	—
Radio Communication System VHF	TRV-1000	Jun-2014	2023	B	—
Transceiver VHF	RU215C	Sep-2013	Unavailable	C	—
Two Way Radio	RU207A	Mar-2001	Unavailable	C	TRS-800
Two Way Radio	RU230A-B	Apr-2020	2027	A	TRS-800
Central FM Handy Terminal	SF400PBT	Mar-1999	Unavailable	C	—
Central FM	SF401A	Apr-2006	Unavailable	C	—
Central FM	TRU-4500	Sep-2013	Unavailable	C	—
Central FM	TRU-4510	Dec-2021	2028	A	—
Navtex Receiver (Japanese)	RR108A	Sep-2005	Unavailable	C	—
Navtex Receiver	RR103A	Oct-2005	Unavailable	C	—
Weather Fax	RF116A (10inch)	May-2001	Unavailable	C	—
Weather Fax	RF117A (15inch)	Jul-2005	Unavailable	C	—
Weather Fax	RRJ-01 (10inch)	Jan-2008	Unavailable	C	—
INMARSAT Fleet F77	TRF-7700	Aug-2012	Unavailable	C	—
INMARSAT C	RSS405A	Feb-1999	Unavailable	C	—
INMARSAT C	RSS406A	May-2004	Unavailable	C	—
INMARSAT C	RSS403A	Jan-1996	Unavailable	C	—
AIS	TRA-1000	Feb-2005	Unavailable	C	—
AIS	TRA-2000	Dec-2013	Unavailable	C	—
GPS Receiver	GR-80	1997	Unavailable	C	—
GPS Receiver	GR-1000	Jan-1995	Unavailable	C	—
GPS Receiver	GR-2000	Dec-2000	Unavailable	C	—
GPS Receiver	GR-3000	Feb-2001	Unavailable	C	—
GPS Plotter(color)	GRP-500	Jan-2001	Unavailable	C	—
GPS Plotter(color)	GRP-1000	May-2001	Unavailable	C	—
GPS Plotter(color)	GRP-2000	Dec-2002	Unavailable	C	—
Printer (for VHF Radio)	RF-18A	Mar-2006	Unavailable	C	—
Printer (for VHF Radio)	RRZ-06	Jul-2018	2027	A	—
Public Addresser	RV106A/107A	2019	2028	A	—
Speed Log	TD-200 Series	Feb-2002	Unavailable	C	TD-310
Speed Log	TD-501	May-2002	Unavailable	C	TD-310
Impressed Current Cathodic Protection System /MACAPS	CPL Series	1985	Unavailable	C	—
Impressed Current Cathodic Protection System /MACAPS	CP Series (except CP-50A/100A)	Feb-2007	Unavailable	C	CP-50A/100A
Fire alarm system	FD-1000 Series	Jun-2012	2022	B	—
Fire alarm system	FD-3000 Series	Jun-2012	2022	B	—

Purchasing Products

Products	Type	Discontinued Date of Purchasing	Discontinued Date of Maintenance	Parts Availability	Alternative Product
Radio Communication System MF/HF	SKANTI GMDSS 9000 Series	Feb-2000	Unavailable	C	—
Radio Communication System VHF	SKANTI VHF 3000 Series	Feb-2000	Unavailable	C	—
SSAS	T&T TT-3000SSA	Jul-2007	Unavailable	C	—
Central FM Handy Terminal	GP-328Series	Jul-2017	Unavailable	C	—
Central FM Handy Terminal	XiRP8600i	Oct-2021	2026	A	—
Navtex Receiver	NT-2000	Oct-2020	2027	A	—
EPIRB	RJ302A	Mar-2003	Unavailable	C	—
EPIRB	REB-23-1	Sep-2005	Unavailable	C	—
EPIRB	REB-24	Jul-2001	Unavailable	C	—
Search and Rescue Radar Transponder	TBR-500	Mar-1997	Unavailable	C	—
Search and Rescue Radar Transponder	TBR-600	Sep-2013	2022	B	—
INMARSAT C	SKANTI TM1250A	Jan-1995	Unavailable	C	—
INMARSAT C	JRC JUE-75C	May-2007	Unavailable	C	—
INMARSAT C	JRC JUE-85	Mar-2013	TBA	B	—
VDR	SAMSUNG SVDR(BASIC) *	May-2005	Unavailable	C	—
VDR	SAMSUNG SVDR-N *	May-2011	Unavailable	C	—
VDR	SAMSUNG SVDR-Pro *	Dec-2009	Unavailable	C	—
VDR	SAMSUNG SVDR-3000 *	Jun-2014	2023	B	—

\* The maintenance parts of the VDR may not meet the requested delivery date depending on the manufacturer's supply situation.