JRC

DOPPLER LOG

JLN-205

MED Certificate Number : QQ-MED-39/04-01

Stable & high accurate measurement
Easy reading of speed indication

JRC Japan Radio Co., Ltd.

JLN-205

The JLN-205 Doppler Log is designed as a device of ship speed measurement and information. The JLN-205 utilizing high frequency of ultrasonic wave brings high stability and accuracy of speed measurement. In addition, a miniaturized transducer will enable to install on the bow where is in less influence against tiny bubbles.

This equipment is complied with the following standards.

IMO Resolution A.824(19),Revised IMO Resolution MSC.96(72),IMO Resolution A.694(17).
IEC60945:2002,IEC61162-1:2000

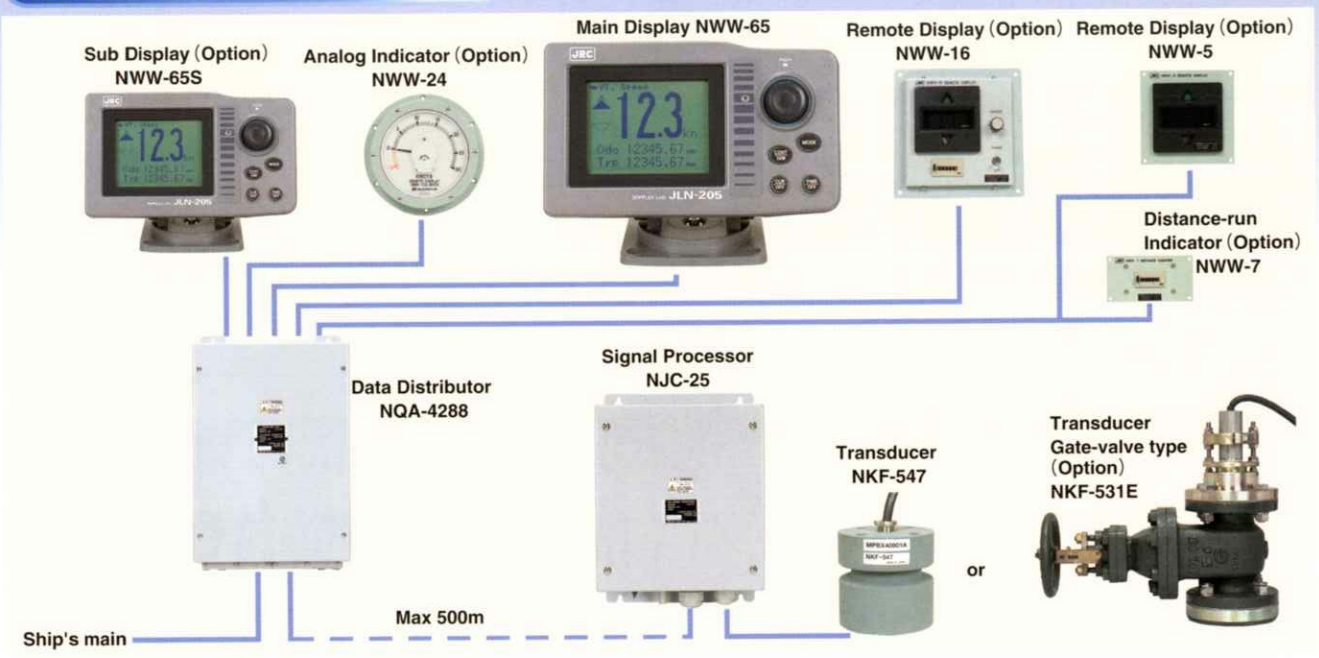
FEATURES

- Ensuring accurate measuring and stable indicating of ship speed since measurement is insensible to bubbles generated in navigation.
- The installation on bow of what is less bubbles influence will be accomplished with a miniaturized transducer.
- The large characters in main display helps easy glance.
- To enable connecting GPS receiver will bring comprehensive speed information calculated by GPS information.
- Various option units can help to configure an optimal Doppler Log system.

SPECIFICATIONS

Operating Method	Dual beam, pulse Doppler sensing
Frequency	2MHz
Speed Range	-10.0 to +40.0 knot
Distance-run Range	0 to 99999.99 nm *Note: NWW-7 optional indicator allows the range from 0 to 9999.99 nm
Depth Range	3m or more (below hull bottom)
Accuracy	+/- 1% or +/- 1 knot whichever is greater +/- 1% or +/- 0.1 nm whichever is greater
Indiction	Digital indicator Analog indicator (where using option unit of NWW-24 / 25 / 26)
IEC61162-1 Input	RMC, RMA or VTG (for SOG indication from GPS receiver)
IEC61162-1 Output	8 port / $VDVBW, $VDVLW sentence
Other Outputs	for Analoge indicator: 2 circuits / Pulse for distance-run : 4 circuits / Contact closure: 1 circuit / for Sub display: 2 circuits / for Distance-run indicator: 1 circuit / for Remote display: 1 circuit / for Remote diagnostic data port: 1 circuit / for power fail: 1 circuit
Power Supply	100 / 110 / 115 / 220 / 230 Vac +/- 10%, 50/60H, 1-phase
Power Consumption	100VA or less
Operating Temperature	-15 to +55 deg. C

CONNECTION DIAGRAM



Main Display can provide suitable viewer from various screen types.

Normal viewer

with large charactor

with instruction comment

graphic viewer

STANDARD COMPONENTS

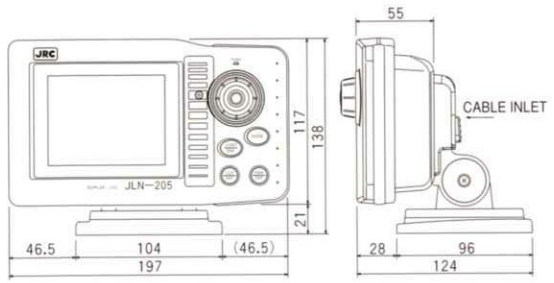
No.	NAME	TYPE	Q'TY	REMARKS
1	Main Display	NWW-65	1	Desktop / Flush mouting blacket, with a cable of 5m length
2	Data Distributor	NQA-4288	1	
3	Signal Processor	NJC-25	1	IPx5
4	Transducer	NKF-547	1	With a cable of 30m length
5	Spare Parts	7ZXBS0020	1	
6	Instruction Manual	7ZPBS2803		

OPTION COMPONENTS

No.	NAME	TYPE	Q'TY	REMARKS
1	Sub Display	NWW-65S	Max. 2	
2	Analog Indicator	NWW-24	Max. 2	Flush mouting
3		NWW-25		Bulkhead mounting / Waterproof
4		NWW-26		Panel mounting
5	Remote Indicator	NWW-5	Max. 1	Ship's speed (fore / aft)
6	Remote Indicator	NWW-16		
7	Distance-run Indicator	NWW-7	Max. 1	Ship's speed (fore / aft) / Distance-run / Indication range: 99999.9 nm
8	Dimmer Unit	NCM-227D	-	For main / sub display
9		NCM-329	-	For analog indicator
10		NCM-227	-	For remote indicator
11	Connection Box	NQD-2025	1	for extension between NWW-65 and NQA-4288
12	Transducer (Gate-valve type)	NKF-531E	1	With a cable of 25m length

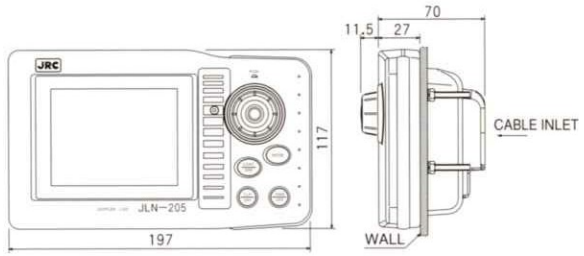
DIMENSIONS

Main Display NWW-65



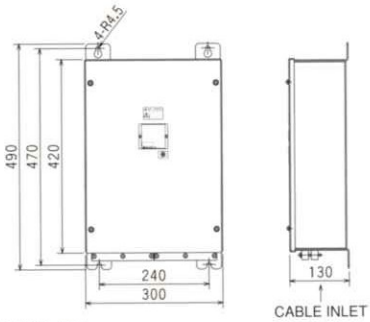
Unit : mm Weight : 0.8kg

Main Display Flush-mounting type (NWW-65)



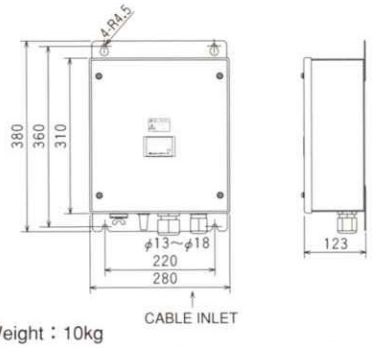
Unit : mm Weight : 0.8kg

Data Distributor NQA-4288



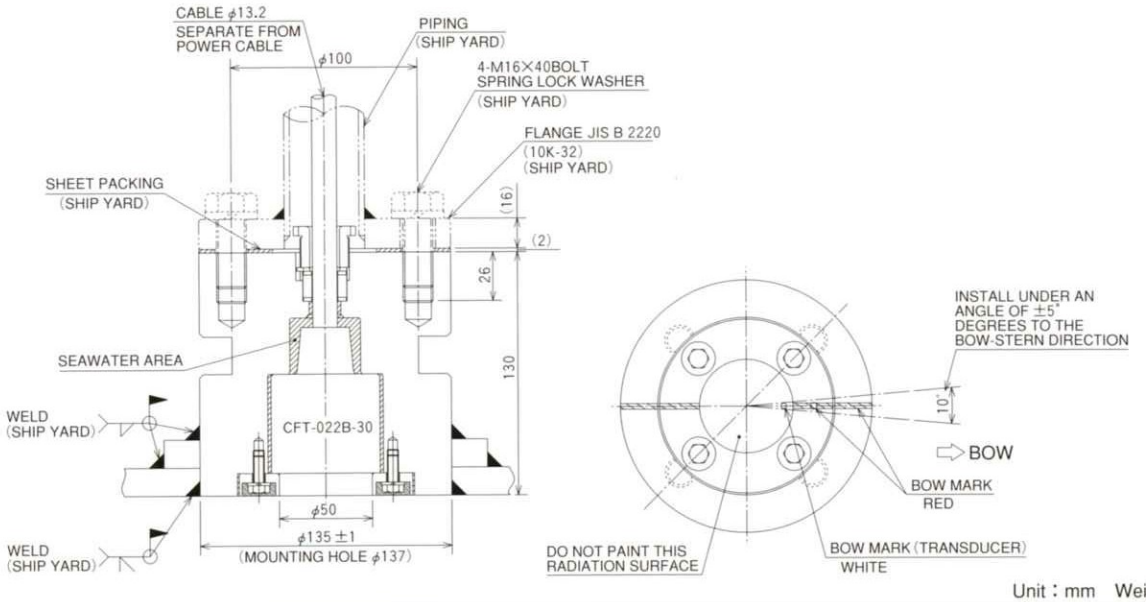
Unit : mm Weight : 6kg

Signal Processor NJC-25



Unit : mm Weight : 10kg

Transducer NKF-547



Unit : mm Weight : 17kg

For further information, contact:

JRC Since 1915 **Japan Radio Co., Ltd.**

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24EM ISO9001, ISO14001 Certified

2005.4 CAT.No.Y14-197 (No.754-1-3) D Printed in Japan