FURUNO

DOPPLER SPEED LOG

Model:

DS-80

- ▶ **Speed and distance run indicated on a large illuminated LCD display**
- ▶ **Compact display unit and transducer**
- ▶ **High accuracy by utilizing the Doppler principle, paired beam eliminating effect of pitching, and velocity correction for change of water temperature**
- ▶ **Easy speed correction at mile post run**

- ▶ **Speed output to ARPA, radar, ECDIS, AIS, VDR, GMDSS equipment, etc.**
- ▶ **Complies with IMO standards MSC.96 (72), A.824 (19), A.694 (17), IEC 61023 and other related standards**
- ▶ **Fully meets SOLAS carriage requirement for ships over 300GT**
- ▶ **Fits to the hull either directly or with a gate valve**

SPECIFICATIONS

1.	Product Name	DOPPLER SPEED LOG
2.	Measuring System	Paired-beam Doppler log, 1 MHz
3.	Display unit	4.5" (95 x 60 mm) Monochrome LCD 120 x 64 pixels
	Character size:	15 or 21 mm high selectable
4.	Speed Range	
	Forward:	0 - 40 kn, 0.1 kn steps
	Astern:	0 - 10 kn, 0.1 kn steps
5.	Distance Run	0-999,999.99 NM, resettable to any value.
6.	Accuracy	Speed through-the-water (STW): 1%, display resolution 0.1 kn Distance run: 1%, in steps of 0.1 NM
7.	Water Depth	Deeper than 3 m
8.	Correction	
	Sound velocity:	Automatic correction for change of water temperature
	Mile post run:	±10% on menu
9.	Test	-10 and 40 kn
10.	Power Supply	115/230 VAC
11.	Interface	IEC 61162-1
	Output:	VBW, VLW

ENVIRONMENT (IEC 60945 test method)

Temperature	-15℃ to +55℃ (Display unit)
Waterproofing	Display unit; IPX5 CFR-46 (USCG)

EQUIPMENT LIST

Standard
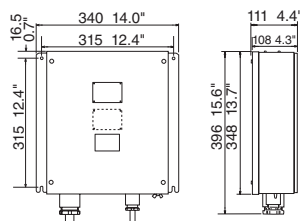|	
1. Main Display DS-800	1 unit
2. Transducer Unit DS-820 with 10/20/30 m cable	1 unit
3. Transceiver Unit DS-810	1 unit
4. Distribution Box DS-801	1 unit
5. Terminal Box DS-802	1 unit

Option
1. Digital Indicator DS-830	1 unit
2. Remote Distance Indicator DS-840	1 unit
3. Transducer Tank DS-850	1 unit
4. Flush Mount Kit F type or S type	1 unit
5. Gate Valve DS-782, DS-786	1 unit
6. Junction Box CI-630	1 unit
7. Analog Display	1 unit

INTERCONNECTION DIAGRAM
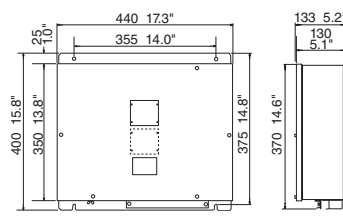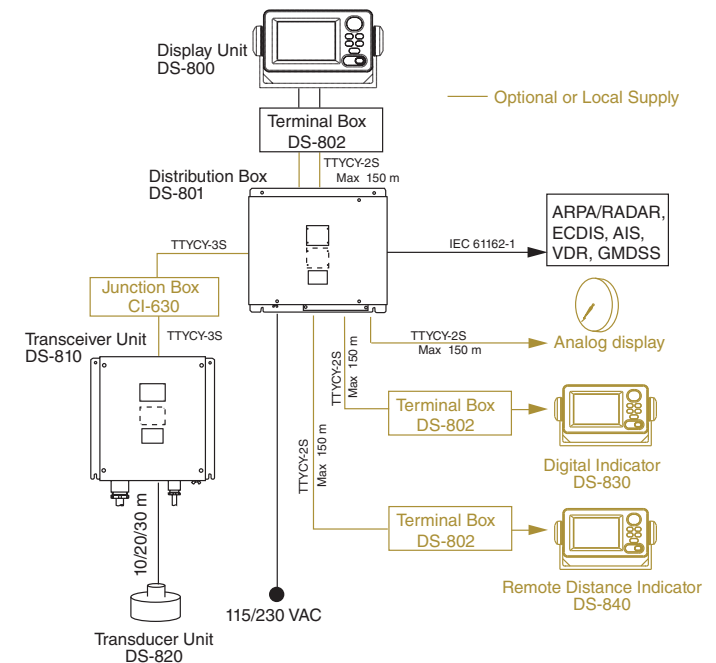

DISPLAY UNIT DS-800
0.6 kg, 1.3 lb
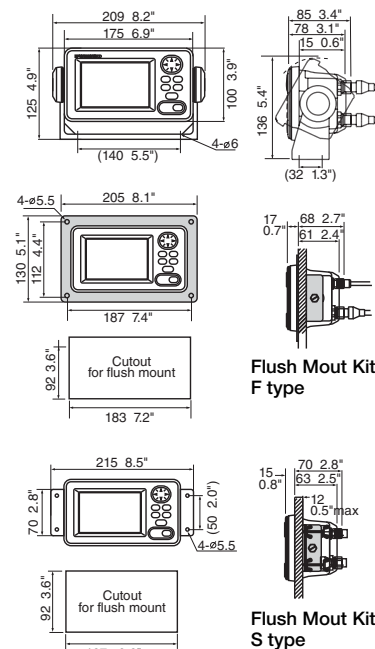
GATE VALVE

DS-782
75 kg, 165.3 lb

DS-786
40 kg, 88.1 lb
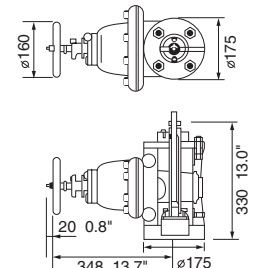

TRANCEIVER UNIT
DS-810
8.0 kg, 17.6 lb
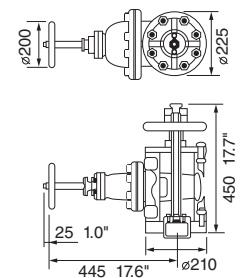
DISTRIBUTION BOX
DS-801
14 kg, 30.9 lb

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE