

JRC NAVIGATION ECHO SOUNDER

JFE-582(200kHz)/585(50kHz)

- Ministry of Land, Infrastructure and Transport, Government of Japan type approval Certificate No.4304:JFE-582
- MED (Marine Equipment Directive) type approval Certificate No.DERA-MED-23/00-01R:JFE-582 Certificate No.DERA-MED-16/00-01:JFE-585



- Easy to see digital depth display
 - Operates even when paper feed set to freeze
 - Depth data can be output in IEC 61162
 - Even more compact main unit (floor area ratio: -20%; mass: -6kg*)
- * Compared with the previous model
- Performance standard matching the echo sounding equipment of International Maritime Organization Resolution.

Specifications JFE-582/JFE-585

Both models confirm to IMO resolution A.224 (VII) MSC74 (69) Annex 4.

| Range | 10 | 25 | 50 | 250 | 500 |
|------------------------------|--|-----------------|-----------------|----------------|----------------|
| Depth Range Scale | 0—10m | 0—25m | 0—50m | 0—250m | 0—500m |
| Sounding Capability (Note 1) | 2m—10m | 2m—25m | 2m—50m | 2m—250m | 2m—500m |
| | below transducer's bottom under normal propagation conditions. | | | | |
| Sounding rate | 133times/minute | 133times/minute | 133times/minute | 66times/minute | 66times/minute |
| Operating frequency | 200kHz (JFE—582), 50kHz (JFE—585) | | | | |
| Recording Paper | 150mm (Wide) × 15m (Long) | | | | |
| Paper feed speed | Selectable 20mm/min (10minutes), 10mm/min (20minutes), 6.6mm/min (30minutes), Freeze (Note2) | | | | |
| Draft adjust | Max.50m | | | | |
| Digital Depth Display | 3 characters indication on the LCD. (Decimal values for less than 100m.) | | | | |
| Depth Alarm | The buzzer sounds and the LED flickers when the depth is shallower than the set water depth. | | | | |
| Power Fail Alarm | The buzzer sounds and the LED flickers when the power line happen to down the voltage. (Note3) | | | | |
| Illumination | Recording paper and operational panel, with dimmer | | | | |
| Output Depth Data | NMEA0183 (V2.3, V1.5), JRC format (Note4) *NMEA0183V2.3 is equal to IEC61162 | | | | |
| Input Nav.Data | NMEA0183 (V2.3, V1.5) / 0180, JRC format | | | | |
| Output Signal | Depth Alarm (Relay contact Max. 120VAC10A or 30VDC8A, selectable NO/NC) Power Fail Alarm (Relay contact Max. 120VAC10A or 30VDC8A, selectable NO/NC) | | | | |
| Input Signal | Depth Alarm acknowledge (selectable contact/current drive. Rated contact 5VDC5mA, current drive 12VDC1.2mA) Power Fail Alarm acknowledge (selectable contact/current drive. Rated contact 24VDC5mA, current drive 12VDC1.2mA) | | | | |
| Paint Color | Panel:Munsell N4, Case:Munsell N7 (Note5) | | | | |
| Power Supply | Main Unit:100/110/115/200/220/230VAC (Operationable Voltage:85—265VAC) 50/60Hz Max.60VA Power Fail Alarm control unit:24VDC (Operationable Voltage:20—32VDC) Max.2.5W when circuit is operating | | | | |
| Dimensions | Wall Hanger type or Build in (Flush) type is all the same. W376×H325.5×D196mm (Include the bulge of the knob W383×H325.5×D212mm) | | | | |
| Mass | Wall Hanger type or Build in (Flush) type is all the same. 11kg | | | | |
| Operating Temperature | -15°C—+55°C | | | | |
| Waterproofing | Recorder:IPX2 Drip Proof, Matching BOX:IPX5 Jet Proof, Transducer:IPX8 Submersible | | | | |

Note1:Set the Gain level for the best pick up of the sea bottom on the recording paper. The maximum measurable depth largely depends on the shape of the ship, installation place of the transducer, quality of the sea bottom, channel, etc., and the maximum measurable depth bottoms shallower as the ship speed becomes faster, compared with the stopping ship. Also, when the ship moves backward, the transducer is covered with a lot of bubbles generated by the screw and the sound wave is attenuated. Thus, the depth measuring function deteriorates remarkably.

Note2:Set the freeze to stop the paper feed. Though the depth display and the output depth data alarms continue work.

Note3:Use of the Power fail alarm capabilities requires the another power supply 24VDC.

Note4:NMEA0183 output sentence, V1.5:SDDBS, SDDBT, SDDBK V2.3:SDDPT. Note5:A combination of painting colors Munsell N4 and N7 is JRC standard type.

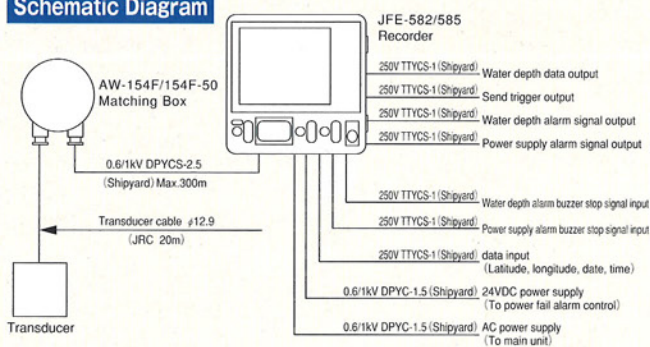
COMPONENT JFE-582

| Description | Q'Ty | Mass | Remarks |
|-------------------------------|------|-------|----------------|
| Recorder Unit JFE-582 | 1 | 11kg | |
| Matching Box AW-154F | 1 | 4kg | |
| Transducer Mounting NKF-341 | 1 | 22kg | with cable 20m |
| Spare parts 7ZXBS0010 | 1 | 1kg | |
| Instruction Manual 7ZPBS2301C | | | English |
| Depth Indicator NWW-58 | | 0.8kg | Option |

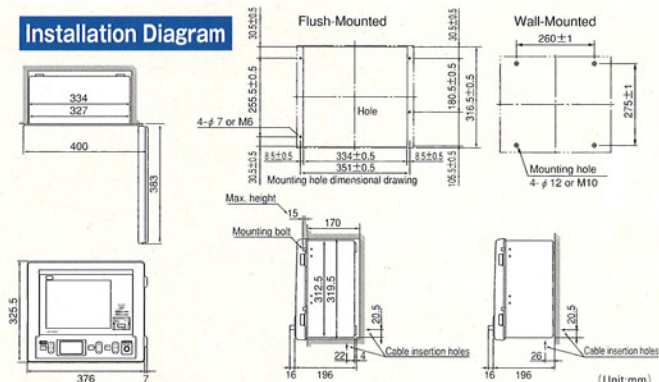
COMPONENT JFE-585

| Description | Q'Ty | Mass | Remarks |
|-------------------------------|------|-------|----------------|
| Recorder Unit JFE-585 | 1 | 11kg | |
| Matching Box AW-154F-50 | 1 | 4kg | |
| Transducer Mounting NKF-345 | 1 | 20kg | with cable 20m |
| Spare parts 7ZXBS0010 | 1 | 1kg | |
| Instruction Manual 7ZPBS2302C | | | English |
| Depth Indicator NWW-58 | | 0.8kg | Option |

Schematic Diagram



Installation Diagram



For further information, contact:



Since 1915

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