

# ONWA<sup>®</sup>

## COLOR ECHO SOUNDER DUAL-frequency, 5.6-inch display

### Model **KF-667**

- Dual-frequency: 50 and 200KHz
- 5.6-inch TFT LCD display with 8-color or multi-level amber presentation
- Auto Mode for hands-off operation
- Variety of display modes: A-scope, bottom-lock expansion, marker zoom and unique bottom zoom displays
- Compound Temperature sensor option



# SPECIFICATIONS

## 1. GENERAL

- (1) Display 5.6-inch TFT LCD
- (2) Echo Color 8 colors (including background color) according to echo intensity. Monochrome display is also available. The background color is selectable from blue, light blue, white and black.
- (3) Basic Range Meters: 5/10/20/40/80/150/200/300  
Feet: 15/30/60/120/200/400/600/1000  
Fathoms: 3/5/10/20/40/80/100/150  
Passi/Braza: 3/5/10/30/50/100/150/200  
The basic ranges can be changed on the system menu.
- (4) Range Shift Up to 300 meters (1000 feet, 150 fathoms, 200 passi/braza)
- (5) Zoom Range Times 2, 3, 4 and 5 ranges
- (6) Bottom Lock Expansion Range 5/10 meters, 10/20 feet, 2/5 fathoms, 2/5 passi/braza
- (7) Auto Mode Automatic adjustment of range and gain
- (8) Display Mode High Frequency (200K), Low Frequency (50K), Dual (200K and 50K 1/2 display on each), Zoom (200K and 50K zoom) and A-scope Display
- (9) Zoom Display Marker Zoom, Bottom Zoom and Bottom-lock Expansion
- (10) Display Advance Speed Lines/TX: Freeze, 1/8, 1/4, 1/2, 1/1, 2/1
- (11) TX Frequency Output power 50 and 200kHz (alternately transmitted), 300W
- (12) Pulse-length/TX rate

Display End Depth(m)	5	10	20	40	80	150	300
Pulse-Length(ms)	0.2	0.2	0.2	0.4	0.8	1.5	3.0
TX Rate(pulse/min)	600	600	600	375	187	100	50

- (13) Interference Rejecter Rejects unwanted signals by comparing last and present echoes in strength.
- (14) Alarm Fish and Bottom alarms, Temperature alarm (sensor required)
- (15) Input/output data NMEA 0183  
Input RMC, VTG  
Output SDDBT, SDDPT

## 2. POWER SUPPLY

- (1) Display Unit 12-24 VDC (-10%, +30%) : 1.0 - 0.6 A

## 3. ENVIRONMENTAL CONDITION

- (1) Ambient Temperature 0°C to +50°C
- (2) Relative Humidity 85% at 40°C
- (3) Water proofing Display Unit: IPX4
- (4) Vibration  $\pm 1\text{mm} \pm 10\%$ , 2(5) to 13.2Hz,  
Maximum acceleration  $7\text{ m/s}^2$ , 13.2 to 100Hz

## 4. COATING COLOR

- (1) Display Unit Chassis: 2.5GY5/1.5  
Panel: N3.0 Newton No.5

## DISPLAY UNIT

