

## 6kW Power, 72nm Observation Range!

- Powerful 6kW output power
- 120cm open array scanner observes up to 72nm



- 8-level bright picture on 10-inch monochrome green CRT
- Simplified Automatic Tracking Aid function See overleaf for details.
- External GPS and Compass data input with NMEA0183, N+1, AUX format
- English and Korean indication
- North-up, Course-up, Head-up & True-motion  
Bearing, speed and position data required.  
Depends on display mode.



10-inch Display Unit

## OTHER FEATURES

- The MR-1000TIII provides many useful features : 2 EBL's, 2 VRM's, SEA clutter, RAIN clutter, Off center, Interference reduction, Echo stretch, Zoom, Trail, long pulse and automatic calibration function.
- When connected to the GPS and/or compass, the MR-1000TIII displays the following information: Course-up, North-up, True motion indication, own and other vessel's speed, position and course, waypoint and man overboard point.

- Simplified Automatic Tracking Aid allows you to plot up to 10 targets and the radar automatically traces the targets.
- The CPA (Closest Point Approach) and TCPA (Time to CPA) alarm gives an audible warning when the tracking targets come within the set range or time.
- Power saver function pauses the scanning for a preset time and conserves battery consumption. When used with the zone alarm function, the CRT display is turned off until an object enters the programmed alarm zone.

## SPECIFICATIONS

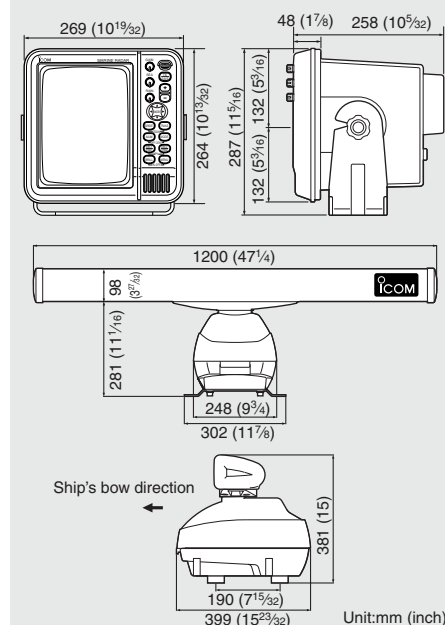
## DISPLAY UNIT

- Display type : 10" monochrome green CRT
- Resolution : 640×480 dots
- Minimum range : 25m (1/8 NM range)
- Maximum range : 72NM
- Measurement range : 1/8, 1/4, 1/2, 3/4, 1, 1.5, 2, 3, 4, 6, 8, (unit:NM) 12, 16, 24, 32, 36, 48, 64, 72
- Preheat time : 90sec.
- Power supply : 10.2-42V DC
- Power consumption : 80W (approx.)
- Operating Temp. range : -15°C to +55°C; +5°F to +131°F
- Unit of distance : NM (nautical mile), km
- Dimensions (W×H×D) : 269×264×258 mm; (projections not included) 10<sup>19</sup>/<sub>32</sub>×10<sup>13</sup>/<sub>32</sub>×10<sup>5</sup>/<sub>32</sub> in
- Weight (approx.) : 6.5kg; 14.3lb
- Input data format : NMEA 0183, N+1, AUX
- Output data format : NMEA 0183

## SCANNER UNIT

- Type : 120cm slotted waveguide array
- Rotation speed : 22, 24, 36, 48rpm typ.
- Beamwidth :
  - Horizontal beam : 2° typ.
  - Vertical beam : 25° typ.
- Sidelobe : -24dB typ.
- Polarization : Horizontal
- Dimensions (projections not included):
  - Diameter of rotation : 1205mm; 477<sup>1</sup>/<sub>16</sub> in
  - Height : 381 mm; 15 in
- Weight (approx.) : 17kg; 37.5lb (without cable)
- Operating Temp. range : -25°C to +70°C; -13°F to +158°F
- Frequency : 9410MHz ±30MHz
- Peak output power : 6kW
- Pulse-width/ Reception rate :
  - 80nsec./2880Hz, 80nsec./2160Hz, 250nsec./2160Hz, 350nsec./2160Hz, 900nsec./720Hz, 900nsec./660Hz
- Modulator : FET switching
- Mixer and local oscillator : Microwave integrated circuit
- Intermediate frequency : 60MHz
- IF passband width : 10MHz, 3MHz
- Tuning : Auto or manual
- System cable : 20m (65.6ft); OPC-1189A (Peeled for connection.)

## DIMENSIONS



All stated specifications are subject to change without notice or obligation.

## OPTIONS



OPC-1077A

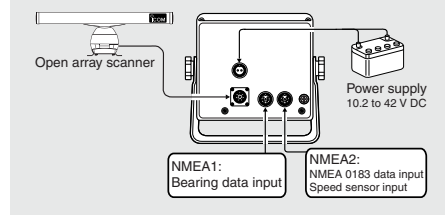
## OPC-1077A SYSTEM CABLE

Allows you 20m (65.6ft) separate installation between the display unit and the scanner unit.

## OPC-1078A SYSTEM CABLE

Allows you 30m (98.4ft) separate installation between the display unit and the scanner unit.

## SYSTEM CONNECTION



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