

Synthesized MF/HF CRT Direction Finder TD-C358 / TD-C358-K

High performance direction finder for professional fishing boat



- **Bearing indication with propeller pattern on CRT display.**
- **Selectable goniometer unit type, built-in type (TD-C358) or external type (TD-C358-K).**
- **Vernier dial type of gain control and analogue level meter are adopted for distance measurement.**
- **4 modes for reception, Manual / Search / Spot / Scan.**
- **Memory up to 400 frequencies for spot or scan reception.**
- **Sense and phase adjustment functions in HF band.**
- **Possible direction finding of 27MHz with optional loop antenna EL-85-04.**
- **True bearing display with optional gyro repeater motor.**

MF/HF CRT Direction Finder Model TD-C358/TD-C358-K

TD-C358

- Built-in goniometer unit.
- Antenna cable length shall be shorter than 30m, suitable for middle size of fishing boat.

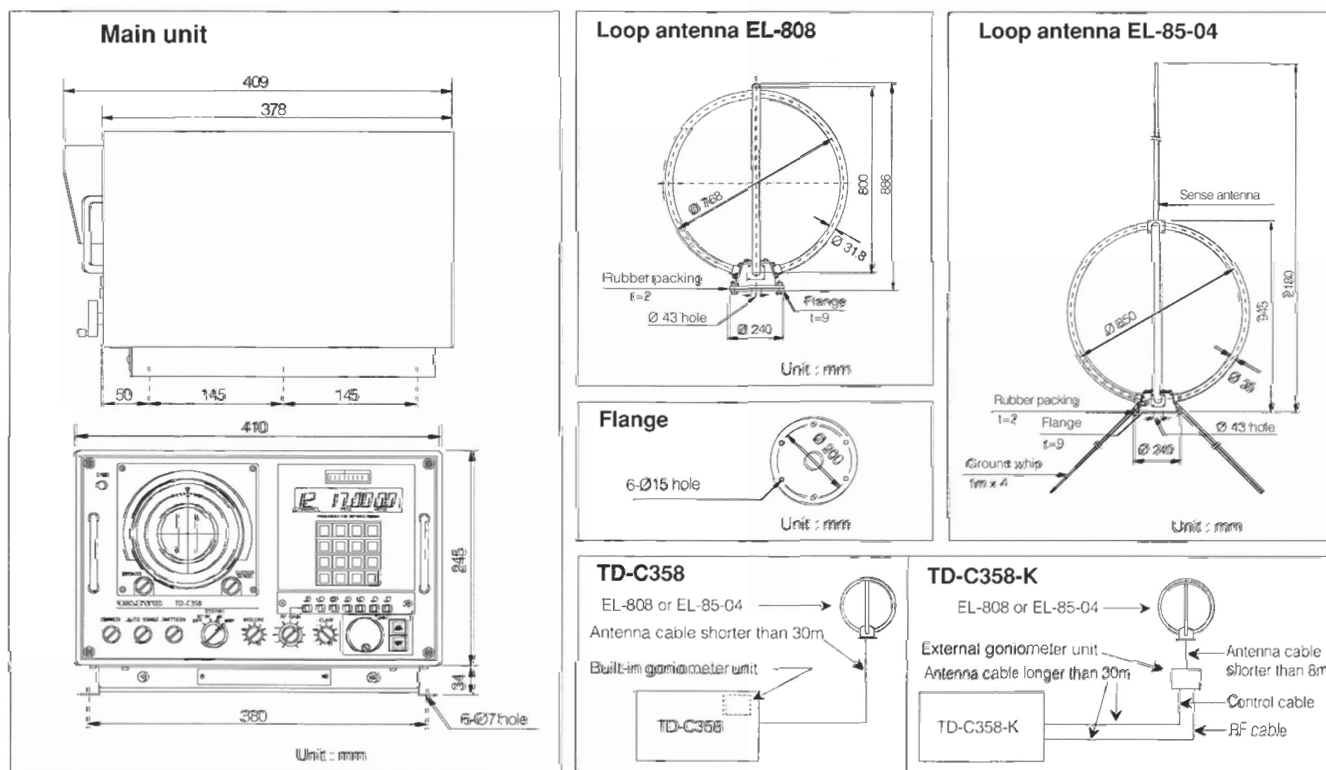
TD-C358-K

- External goniometer unit installed under the loop antenna.
 - *Longer than 30m antenna cable can be used, suitable for large purse seiner.
- *Receiving sensitivity may be slightly decreased if the antenna cable length is increased.

▼ Specifications

Antenna	
Loop antenna	Standard : EL-808 (frequency range for direction finding: 200kHz ~ 16MHz) Option : EL-85-04 (frequency range for direction finding: 200kHz ~ 16MHz & 26MHz ~ 29.9999MHz)
Antenna cable	TD-C358 : HF cable, 7 cored 3D-2E TD-C358-K : HF cable, 7 cored 3D-2E (between Loop antenna and external goniometer unit), RF cable and Control cable (between external goniometer unit and main unit)
Receiver	
Frequency range	200kHz ~ 29,999.9kHz, indicated in 0.1kHz step
Wave form	A1A, A2A, H2A, A3E, H3E and J3E
Receiver circuit	Double superheterodyne with synthesized local oscillator, 1 st IF : 65.7MHz, 2 nd IF : 455kHz
Mode of reception	MANUAL : digital setting or with numeric keys, shift keys, or tuning dial SPOT : spot calling, max. 400 frequencies possible SCAN : possible for 10 frequency groups, max. 100 frequencies in a block SEARCH : From 10kHz to 1000kHz, 2kHz step
Direction measurement of surface wave (at no disturbance condition)	
Accuracy	In MF, $\pm 1^\circ$ or smaller at 1mV/m In HF, $\pm 2^\circ$ or smaller at 0.3mV/m
Scattering	In MF, $\pm 6^\circ$ or smaller at 50 μ V/m In HF, $\pm 6^\circ$ or smaller at 30 μ V/m
Signal noise ratio	In MF, 10dB or larger at an input of 50 μ V/m In HF, 10dB or larger at an input of 30 μ V/m
Sense determination	Automatic or manual, sense and phase adjustment device is provided.
Bearing display	Propeller pattern on CRT Reading with cursor, compass card and compass rose.
Gyro repeater	Built-in repeater motor possible (option).
Power supply	
Voltage and cycle	100/110/115/200/220/230 VAC, 50Hz or 60Hz, 50VA
Stability	Fluctuation of supply voltage should be within $\pm 10\%$
Environment	
Temperature	-10°C to +50°C.
Humidity	95% (relative humidity)
Dimension & Weight	
TD-C358 main unit	W410xH279xD378 mm 25.0 kg
TD-C358-K main unit	W410xH279xD378 mm 21.0 kg
External goniometer unit	W370xH156xD323 mm 9.0 kg
EL-808	$\varnothing 800$ x H886 mm 6.5 kg (exclude flange)
EL-85-04	$\varnothing 850$ x H2180 mm 8.3 kg (exclude flange)
Flange	$\varnothing 240$ x H9 mm 3.0 kg

▼ Outside view & Dimension



*The above descriptions subject to change without notice.

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