

# TG-6000

## The High Performance Gyrocompass!

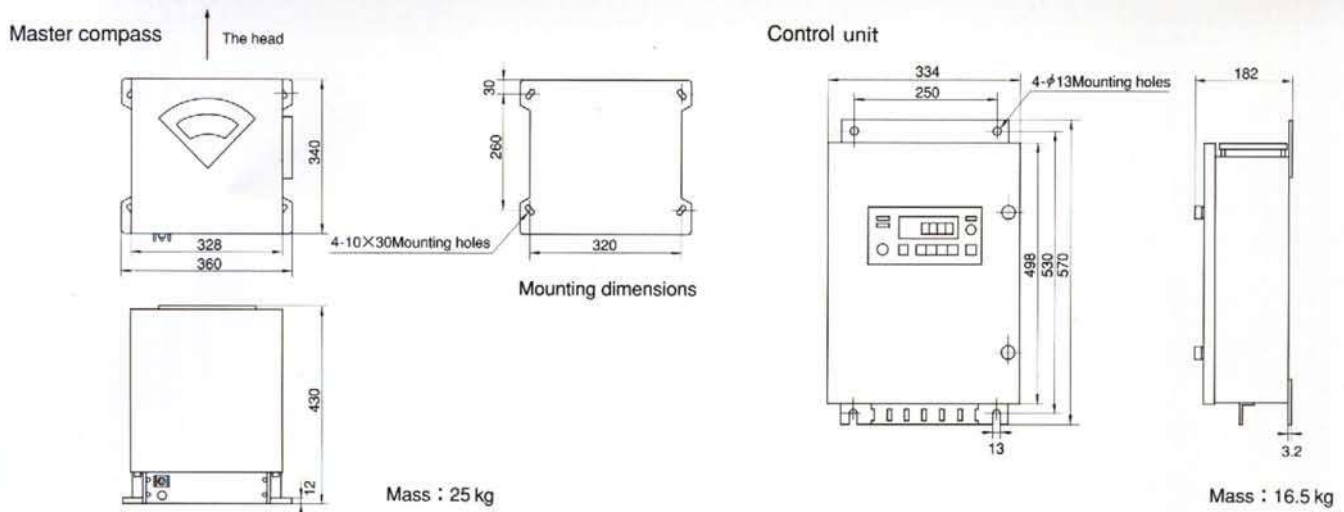
The TG-6000 Gyrocompass features longer life and a diverse range of output signals, both the results of Tokimec's extensive experience in design and manufacturing. The TG-6000, in space-saving compact form, consists of two units, a master compass and control unit.



### Features

1. Longer life
2. Low power consumption
3. Compatible with NMEA 0183 signal
4. Down sized
5. High accuracy
6. Conforms to IMO performance standards
7. Compatible with IBS (Integrated Bridge System)

## Configurations



## Specifications

Power supply	
Main Power Supply	: AC 100/110/220 V 1PH 50/60 Hz
Emergency Power Supply	: DC 24 V
Power Consumption	
Starting	: 140 VA (Master compass)
Operating	: 70 VA (Master compass)
Output Signal	
	: DC 24 V Stepper, 9 Repeaters, Max. 8.5 A
	Repeater Back Up DC 24 V Step within 3 Repeaters, Max. 2.5 A (Option)
Digital Signal	• RS422 × 4 ports (Option)
	• NMEA0183 or RS422 × 2 ports (Option)
	(True Heading/Speed/Turn Rate) (Option)
Analog Signal	• Turn Rate -5 ~ +5 V × 1 port (Option)
	• Turn Rate Scaleover × 1 port (Option)
Input Signal	
Speed	: Pulse (200 Pulses/nm Dry Contract) × 1 port
GPS	: Digital Signal • RS422 × 1 port
	(Lat./Long./Speed)
Performance Specifications	
Settling Accuracy • Settling Time	: within 4 hours (Under Operation of SLEW Mode : within 2 hours)
• Settling Point Error	: Less than $\pm 0.3^\circ$
• RMS Value	: Less than $0.1^\circ$
• Repeatability of Settle Point	: Less than $\pm 0.2^\circ$
Accuracy on Scorsby Table	: Less than $\pm 0.5^\circ$
Follow Up Speed	: $24^\circ/\text{sec}$
Accuracy Under Environmental Variation	: Less than $\pm 0.5^\circ$
Environmental Conditions	
Gimbal Freedom Angle	: $\pm 45^\circ$ (Roll/Pitch)
Permissible Vibration	: Performance Standard
Permissible Temp.	: $-10 \sim +50^\circ\text{C}$

**CAUTION** Before operating this equipment, you should first thoroughly read the operation manual.

Design and specifications are subject to change without prior notice, and without any obligation on the part of the manufacturer.

# TOKIMEC

## TOKIMEC INC.

<http://www.tokimec.co.jp/>

CONTROL SYSTEMS DIVISION

Head office 2-16-46, Minami-Kamata, Ohta-ku, Tokyo 144-8551, Japan  
 Tel: 03-3737-8631 Fax: 03-3737-8666

TOKIMEC EUROPE B.V. Beurs-World Trade Center, Room 410,  
 Beursplein 37, P.O.Box 30210, 3001 DE Rotterdam,  
 The Netherlands  
 Tel: 10-405-1260 Fax: 10-405-5042

TOKIMEC HONG KONG Ltd. Room 903, One Hysan Avenue, Causeway Bay, Hong Kong  
 Tel: 852-2881-6679 Fax: 852-2890-5509

**Guangzhou Faraway Marine Communication Co., Ltd.**

Add.: 1st Floor, No.47 Eastern Great Street, Shaxu, Shiqiao,  
 Panyu, Guangzhou, China  
 Tel: 0086-20-34615860  
 Fax: 0086-20-34629455  
<http://www.yymarine.com>  
 E-mail: gzfaraway@163.com