

## Gyrocompass TG-8100/8600

TG-8100/8600 is designed based on our previous TG model which has been installed on approximately 27,000 ships, keeping its high reliability, enhanced follow-up performance and interfacing features for equipment. The TG-8000 Series is designed for standard IMO ship application whereas the TG-8600 is designed for High-Speed Craft application.

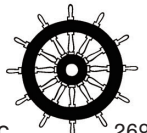


### Features

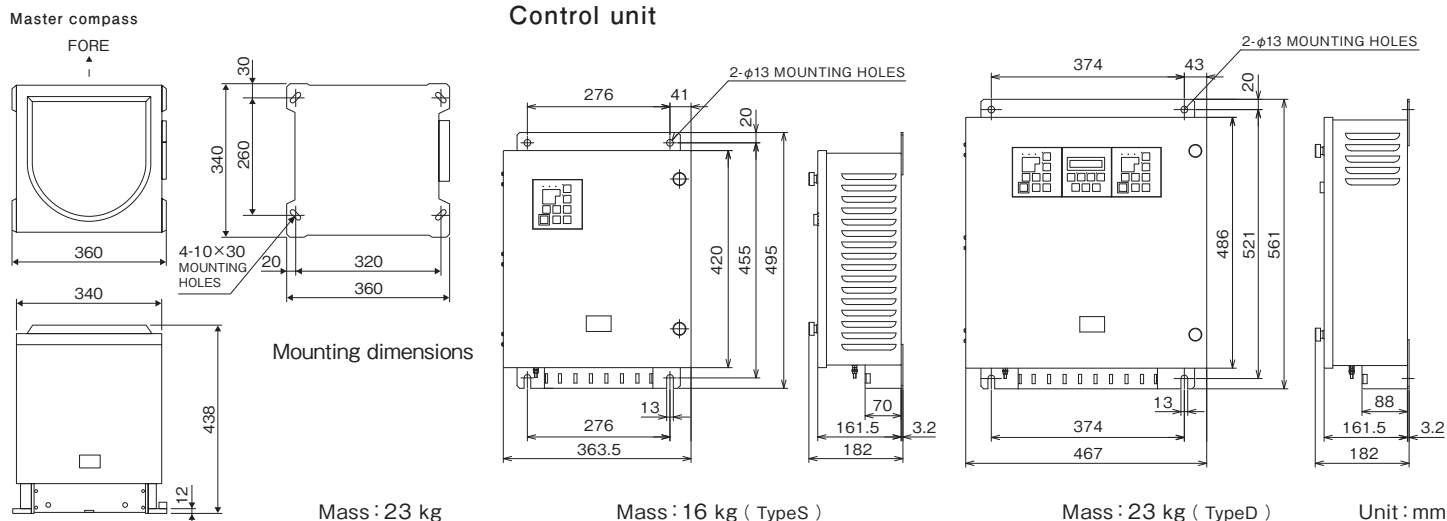
- Suitable for speeds of up to 70knots ( TG-8600 )
- Fast follow-up rate ( maximum 75°/s )
- Fast serial data output ( IEC61162-2 )
- Interfaces with external heading sensor.
- Minimal system components for dual gyro system for space saving & installation cost.
- Startup-timer function
- Alert transfer feature for BAMS ( Bridge Alert Management System ) is equipped as standard.

TG-8100: IMO regulated vessels  
IMO A424 (XI) ISO 8728

TG-8600: High Speed Craft  
IMO A821 (19) ISO 16328 HSC



## Configurations



## Specifications

<b>General Specifications</b>	Main Power Supply	AC 100 / 110 / 115 / 220 V 1φ 50 / 60 Hz		
	Emergency Power Supply	DC 24 V		
	Power Consumption	Starting	Max.140 VA	
		Operating	Max. 70 VA	
		Repeaters	Max.150 VA 1 / 6° 3φ 9 Ports	
	Output Signal	DC 24 V Stepper, 4 Repeaters		
		IEC61162-1ed.2 or IEC61162-2 10 Ports		
		Rate of tum	-5 V ~ +5 V / 30° / min	
			-10 V ~ +10 V / 120° or 300° / min 3 Ports	
	Input Signal	Dry Contact ( Operation,Alarm )		
Speed		200 or 400 Pulses / nm ( Dry contact )		
		IEC61162-1		
Position ( GPS )		IEC61162-1		
External Heading Input		IEC61162-1 or IEC61162-2 ( Option )		
Dry Contact ( Alarm Ack, Buzzer Stop )				
<b>Performance Specifications</b>	Setting Accuracy	Setting Time	Less than 4 hours	
		Setting Point Error	Less than ± 0.3°	
		RSM Value	Less than 0.1°	
		Repeatability	Less than ± 0.2°	
	Accuracy on Scorsby Table	Less than ± 0.5°		
	Master-compass follow up rate	Maximum 75°/s		
Accuracy Under Environmental Variation	Less than ± 0.5° ( Condition : ISO8728 / ISO16328 )			
<b>Environmental Conditions</b>	Permissible Roll and Pitch angle	± 45°		

**TOKYO KEIKI INC.**

**Marine Systems Company**

Head Office	2-16-46, Minami-Kamata, Ohta-ku, Tokyo 144-8551 JAPAN	Tel. +81-3-3737-8611	Fax. +81-3-3737-8663
TOKYO KEIKI (SHANGHAI) CO., LTD.	C-1407, Orient International Plaza, No.85 Lou Shan Guan Rd., Shanghai 200336. CHINA	Tel. +86-21-3223-1252	Fax. +86-21-6278-7667
TOKYO KEIKI U.S.A., INC.	3452 E. Foothill Blvd. Suite 420 Pasadena, CA 91107 U.S.A.	Tel. +1-626-403-1500	Fax. +1-626-403-7400
Singapore Branch	No.2 Jalan Rajah #07-26/28, Golden Wall Flatted Factory, Singapore 329134	Tel. +65-6254-1877	Fax. +65-6254-1745

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



**CAUTION**

Before operating this equipment, you should first thoroughly read the operator's manual.

[www.tokyokeiki.jp/e/products/marine/](http://www.tokyokeiki.jp/e/products/marine/)