

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.

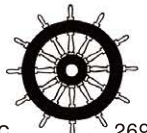


Features

- 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.

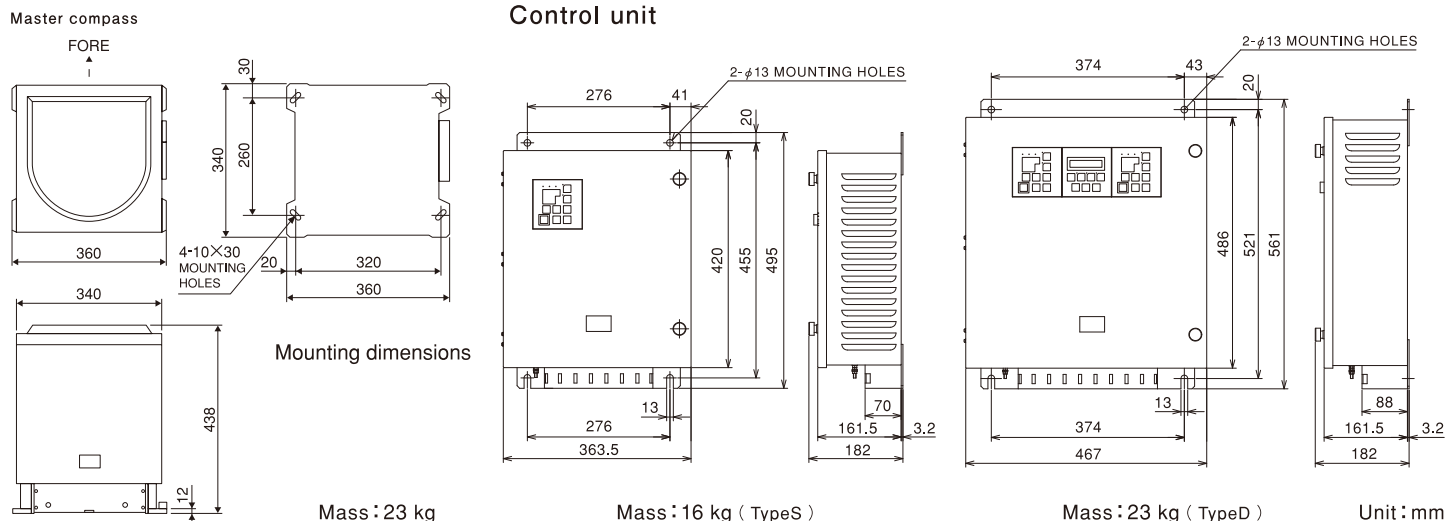
TG-8100: IMO regulated vessels
IMO A424 (XI) ISO 8728

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



2690/

Configurations



Specifications

General Specifications	Main Power Supply	AC 100 / 110 / 115 / 220 V 1 φ 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° 3 φ 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)				
Performance Specifications	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)			
Environmental Conditions	Permissible Roll and Pitch angle	± 45°		

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.

TOKYO KEIKI

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