

# TOKIMEC

## TG-6000 GYRO COMPASS



The TG-6000 Gyrocompass features longer life and a diverse range of output signals, both the results of TOKYO KEIKI'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.

- Longer life
- Low power consumption
- Compatible with NMEA 0183 signal
- Down sized
- High accuracy
- Conforms to IMO performance standards
- Compatible with IBS(Integrated Bridge System)

### Specifications

<b>Power supply</b>		
Main Power Supply	:	AC 100/110/220 V 1PH 50/60 Hz
Emergency Power Supply	:	DC 24 V
<b>Power Consumption</b>		
Starting	:	140 VA (Master compass)
Operating	:	70 VA (Master compass)
<b>Output Signal</b>		
	:	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)
<b>Input Signal</b>		
Speed	:	Pulse (200 Pulses/nm Dry Contract) × 1 port
GPS	:	Digital Signal - RS422 × 1 port
	:	(Lat./Long./Speed)
<b>Performance Specifications</b>		
Setting Accuracy	:	within 4 hours (Under Operation of SLEW Mode : within 2 hours)
• Setting Time	:	Less than ±0.3°
• Setting Point Error	:	Less than 0.1°
• RMS Value	:	Less than ±0.2°
• Repeatability of Settle Point	:	Less than ±0.5°
Accuracy on Scorsby Table	:	Less than ±0.5°
Follow Up Speed	:	24"/sec
Accuracy Under Environmental Variation	:	Less than ±0.5°
<b>Environmental Conditions</b>		
Gimbal Freedom Angle	:	± 45° (Roll/Pitch)
Permissible Vibration	:	Performance Standard
Permissible Temp.	:	-10 ~ +50 °C



CAUTION

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