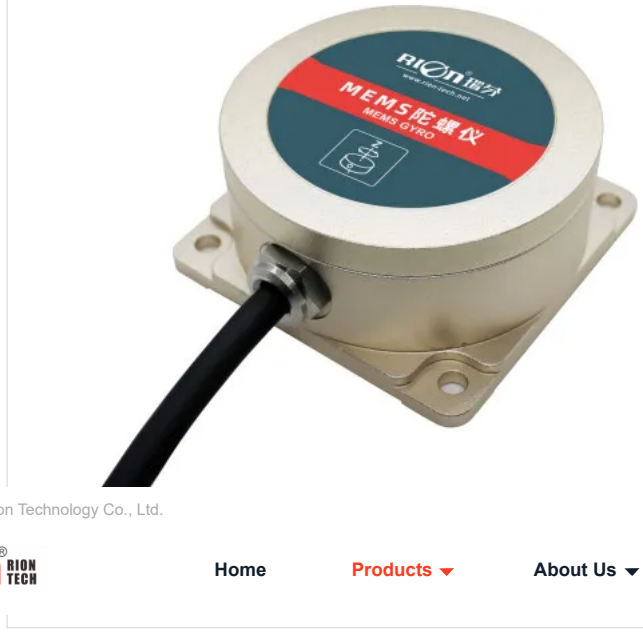

MEMS Gyroscope Sensor CAN2.0A/B Output Signal <0.1°/min Azimuth Accuracy

Product Details

Place Of Origin: Shenzhen

Brand Name: RION

Certification: CE

Model Number: TL740D-CAN2.0A/B

Payment & Shipping Terms

Minimum Order Quantity: 1pcs

Price: $224/Pieces

Payment Terms: T/T, , Paypal

Supply Ability: 3000 Piece/Pieces Per Month

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Specifications

Highlight: 0.1°/min MEMS Gyroscope Sensor, CAN2.0A/B MEMS Gyroscope Sensor, Azimuth Accuracy MEMS Gyroscope Sensor

Output Signal:	CAN2.0A / CAN2.0B	Mesure Range:	Azimuth Angle (±180°)
Acquisition Bandwidth:	>100Hz	Azimuth Accuracy:	<0.1°/min
Weight:	130g(Without Cable)	Vibration:	5g~10g
Protecting:	IP67	Positional Accuracy:	<2mm/m

Description

MEMS Gyroscope Sensor CAN2.0A/B Output Signal <0.1°/min Azimuth Accuracy

TL740D CAN OUTPUT ANGULAR GYRO SENSOR.pdf

Product Description:

TL740D is RION-TECH newly developed horizontal azimuth angular gyro sensor based on latest MEMS inertial measurement platform , by means of the dynamic attitude algorithm for the angular velocity of gyroscope ,it can simultaneously output carrier’s azimuth angle .The product inernal integrated RION’s Patent Inertial navigation algorithm, through the model of attitude angle data fusion , can solve the gyro short time drift problem as much as possible .
This product is specially used for robot car, AVG vehicle azimuth orientation, attitude control and other related applications of the UAV, instead of the traditional robot vehicle magnetic bar guide shortcomings, no need at the site layout of magnetic stripe, is the necessary navigation components for the next generation of robot vehicle automatic tracing and driving.

Features:

- Azimuth angle output
- Strong vibration resistance
- Light weight
- Long life,strong stability
- Cost-effective
- All solid state

Technical Parameters:

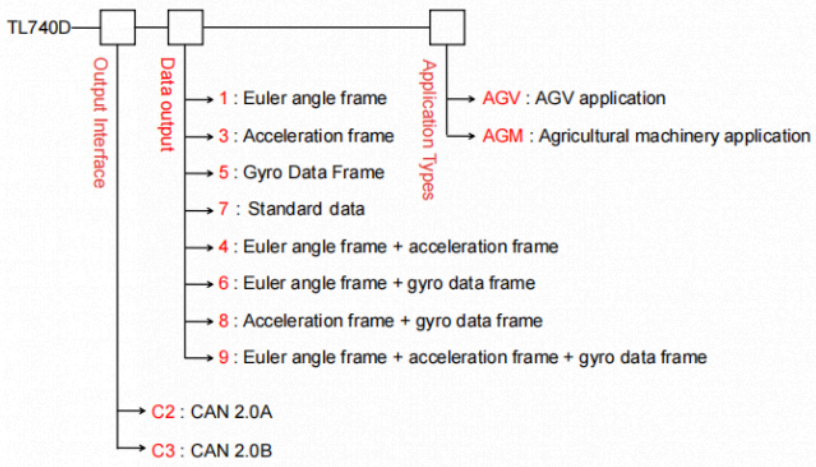
TL740D	PARAMETERS
Mesure range	Azimuth Angle (±180°)
Acquisition bandwidth	>100Hz
Resolution	0.01°
Azimuth accuracy	<0.1°/min
positional accuracy	<2mm/m (converted from angle accuracy)

Nonlinear	0.1% of FS
Max angle rate	150°/s
Accelerometer range	±4g
Acceleroemter resultuion	0.001g
Acceleroemter accuracy	5mg
Starting time	5s(Static)
Input Voltage	+9V~36V
Current	60mA(12V)
Working Temp.	-40 ~ +85℃
Storage Temp.	-40 ~ +85℃
Vibration	5g~10g
Impact	200g pk,2ms,½sine
Working life	10 years
Output rate	1Hz~100Hz can set
Output signal	CAN2.0A / CAN2.0B
MTBF	≥98000 hours /times
Insulation resistance	≥100 Megohm
Impact resistance	100g@11ms,3 Axial Direction (Half Sinusoid)
Anti-vibration	10grms,10～1000Hz
Protecting	IP67
Weight	130g(Without cable)

Applications:

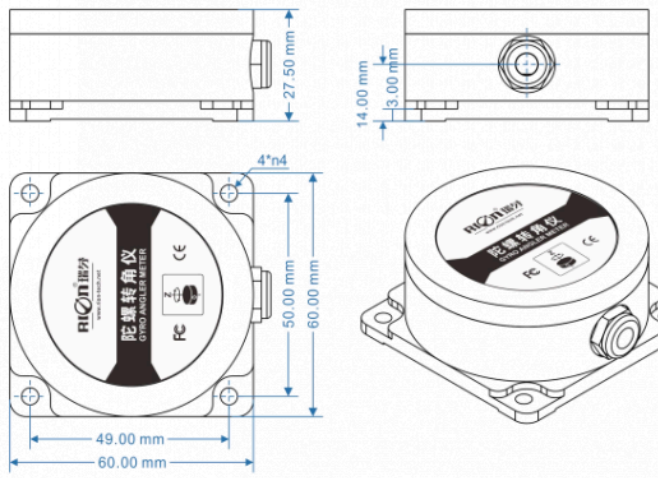
★ AGV truck
★ Car Navigation
★ 3D virtual reality
★ Platform stability
★ Auto safety system
★ UAV / Robot
★ Turck-mounted satellite antenna equipment
★ Industrial control

▶ ORDERING INFORMATION



E.g :TL740D-C2-1-AGV : CAN2.0A Output Interface/Euler angle frame data output/AGV application.

▶ SIZE



Shell size: L60×W60×H27.5mm
Installation size: L49×W50×H3mm
ounting screws: 4 M4 screws

Tags:

TL725D MEMS Gyroscope Sensor DC AGV Gyro Sensor Anti vibration MEMS Gyroscope Sensor

Similar Products

Video

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TL740D CAN2.0A 3D Digital Compass TL740D 3 Axis Accelerometer Gyroscope

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