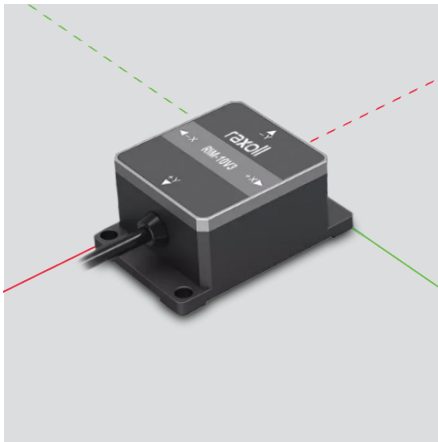


RIM Series

2 Axis Tilt Sensor



- X,Y Double measuring Axis
- 0.1° Absolute precision
- $\pm 10^\circ$ ----- $\pm 90^\circ$ Measuring Range
- Aluminum alloy shell, strong and durable.



Technical Specifications

Measuring Range		±10°	±30°	±60°	±90°
Measuring Axis		X,Y	X,Y	X,Y	X,Y
Resolution		0.05°	0.05°	0.05°	0.05°
Absolute Precision		0.1°	0.1°	0.2°	0.2°
Long-term Stability		0.2	0.2	0.25	0.25
Zero Temperature Drift (-40~+85C°)		±0.01° / °C	±0.01° / °C	±0.01° / °C	±0.01° / °C
Sensitivity Temperature Coefficient (-40~+85C°)		≤ 150ppm / °C	≤ 150ppm / °C	≤ 150ppm / °C	≤ 150ppm / °C
Power-on Startup Time		0.5S	0.5S	0.5S	0.5S
Response Time		0.02S	0.02S	0.02S	0.02S
Supply Voltage		9-36VDC			
No Load Current		40mA			
Operation Temperature		-40~+85C°			
Storage Temperature		-55~+100C°			
Vibration Resistance		10gr/ms 10~1000Hz			
Insulation Resistance		≥ 100M			
Protection		IP67			
MTBF		≥ 45000			
Output Rate		5Hz, 15Hz, 35Hz, 50Hz can be set			
Electromagnetic Compatibility		According to EN61000 GBT17626			
Impact Resistance		100g@11ms, Triaxial and identical (Half sine wave)			
Cable		1m standard wear resistant, wide temperature, shielded cable (direct lead)			
Weight		90g (without cable)			
Model Selection	4...20mA	RIM-10A1	RIM-30A1	RIM-60A1	RIM-90A1
	0~10V	RIM-10V3	RIM-30V3	RIM-60V3	RIM-90V3
	RS232	RIM-1032	RIM-3032	RIM-6032	RIM-9032
	RS485	RIM-1085	RIM-3085	RIM-6085	RIM-9085

Dimensions

*Unit : mm

