Baumer GIM600R – safety inclination sensors

Highly precise, uniquely reliable



E1 CANopen SAE INTERNATIONAL J1939

Designed for Mobile Machines

- Robust R Series with above-average environmental performance
- Proof of extended environmental tests
- Improved electromagnetic performance
- Protected against high-pressure cleaning – beyond IP 69K



Suitable for your application



Static stability control – precise and reliable vehicle leveling

All-in-one: Compact – versatile – economical

Improve machine performance

- Extended working range machine due to high accuracy, fast output and defined signal characteristics

Maximize machine uptime

- E1-compliant design (ECE R10, Rev.6)
- Vehicle standard ISO 16750-2 /-5
- Protection higher than IP 69K

Meet latest safety standards

- Redundant inclination sensors
- PLd compliant (ISO 13849-1:2023)
- For EN 280 and A92.20 approved AWPs

Simplify machine integration

- Globally established safety concept
- User-friendly configuration software

	GIM600R - 1 dimensional	GIM600R - 2 dimensional
Size	72 x 64 mm	
Sensing	MEMS 3DOF	
Measuring range	0 … 360°-180 … 180°	± 90 horizontal ± 90 vertical
Architecture	1-channel 2-channel (Category 3)	
Voltage	8 … 36 VDC	
Electrical interface	CANopen, CANopen redundant SAE J1939, SAE J1939 redundant	
Mechanical interface	3x M4 (fixation on flat surface, reference areas)	
Connection	Cable 0.3 m with M12 2x cable 0.3 m with M12 (bus-in/-out) 2x cable 0.3 m with M12 (2x bus-in)	
Absolute accuracy typ. (+25°C)	±0.1°	
Repeatability typ. (+25°C)	0.025°	
Operating temperature	-40 ... +85 °C	
Protection class	IP 67 / IP 68 / IP 69K	

Baumer
Passion for Sensors

Find out more:
www.baumer.com/GIM600R