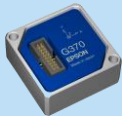
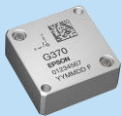




Epson IMU Lineup

Distributed by www.texim-europe.com

New!

EPSON

Items		Unit	M-G370PDT Premium	M-G370PDG Advanced	M-G366PDG Standard Attitude output	M-G330PDG Basic Attitude output	M-G570PR20 Multi IMU High precision/Low noise	M-G552 Series*2 Waterproof	
Gyroscope	Range	° /s	± 200	± 450	± 450	± 400	± 450	± 450	
	Nonlinearity	% of FS	0.05	0.05	0.05	0.05	0.05	0.05(<300dps) 0.2(>300dps)	
	Bias Instability	° /h	0.8	0.8	1.2	3	0.5	0.8	
	Angular Random Walk	° /√h	0.03	0.06	0.08	0.1	0.04	0.06	
	Initial Bias Error	° /h, σ	360	360	360	720*1	360	360	
	Bandwidth	Hz	189	189	472	500	189	189	
Accelerometer	Range	G	± 8/±16 (Selectable)	± 8/±16 (Selectable)	± 8/±16 (Selectable)	± 8/±16 (Selectable)	± 15	± 10	
	Bias Instability	μG	24	24	24	34	14	12	
	Velocity Random Walk	(m/s)/√h	0.020	0.020	0.020	0.030	0.012	0.033	
	Initial Bias Error	mG, σ	2	2	3	4	2	3	
Attitude output	Range	°	---	---	Inclination: ± 80(x,y) Euler: ± 180(Pitch) ± 45(Roll)	Inclination: ± 80(x,y) Euler: ± 180(Pitch) ± 45(Roll)	---	---	
	Accuracy	°, σ			± 0.2	± 0.3			
Operating Temperature range (°C)						-40 to +85		-30 to +70	-30 to +80
Calibration Temperature (°C)						-40 to +85		-30 to +70	-30 to +80
Interface						SPI / UART		RS422	J1939 (CANopen / RS422) Selected by code
Data Output Rate (Hz, max)			2,000		2,000(Tilt/Euler:200)		2,000	1,000	
Current Consumption						16 mA, 3.3V		60 mA, 12V	32 mA, 12 V
Product Image						IP67		IP67	
Size (mm) / Weight (g)			 			 65x60x30/ 150		 65x60x30/ 115	

*1: 720 °/h : -10°C to 60°C, 1800 °/h : -40°C to 85°C

*2 The product model number and specification values are determined by the built-in IMU. The values on this page are the specifications of M-G552PJ7. Please contact us for detailed information on other products. Interface is selectable by product code.

Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Texim Europe B.V. its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, “Texim”), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Texim makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product.

It is the customer’s responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer’s technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.



Headquarters & Warehouse

Elektrostraat 17
NL-7483 PG Haaksbergen
The Netherlands



T: +31 (0)53 573 33 33
E: info@texim-europe.com
Homepage: www.texim-europe.com



The Netherlands

Elektrostraat 17
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33
E: nl@texim-europe.com



Belgium

Zuiderlaan 14, box 10
B-1731 Zellik

T: +32 (0)2 462 01 00
E: belgium@texim-europe.com



UK & Ireland

St Mary's House, Church Lane
Carlton Le Moorland
Lincoln LN5 9HS

T: +44 (0)1522 789 555
E: uk@texim-europe.com



Germany - North

Bahnhofstrasse 92
D-25451 Quickborn

T: +49 (0)4106 627 07-0
E: germany@texim-europe.com



Germany - South

Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
E: muenchen@texim-europe.com



Austria

Warwitzstrasse 9
A-5020 Salzburg

T: +43 (0)662 216 026
E: austria@texim-europe.com



Nordic

Stockholmsgade 45
2100 Copenhagen

T: +45 88 20 26 30
E: nordic@texim-europe.com



Italy

Via Matteotti 43
IT-20864 Agrate Brianza (MB)

T: +39 (0)39 9713293
E: italy@texim-europe.com