



G-SERIES INCLINOMETER

SPECIFICATIONS

Single axis inclinometer

Measurement range $\pm 10^\circ$

Switch output

Wall mounting

FEATURES

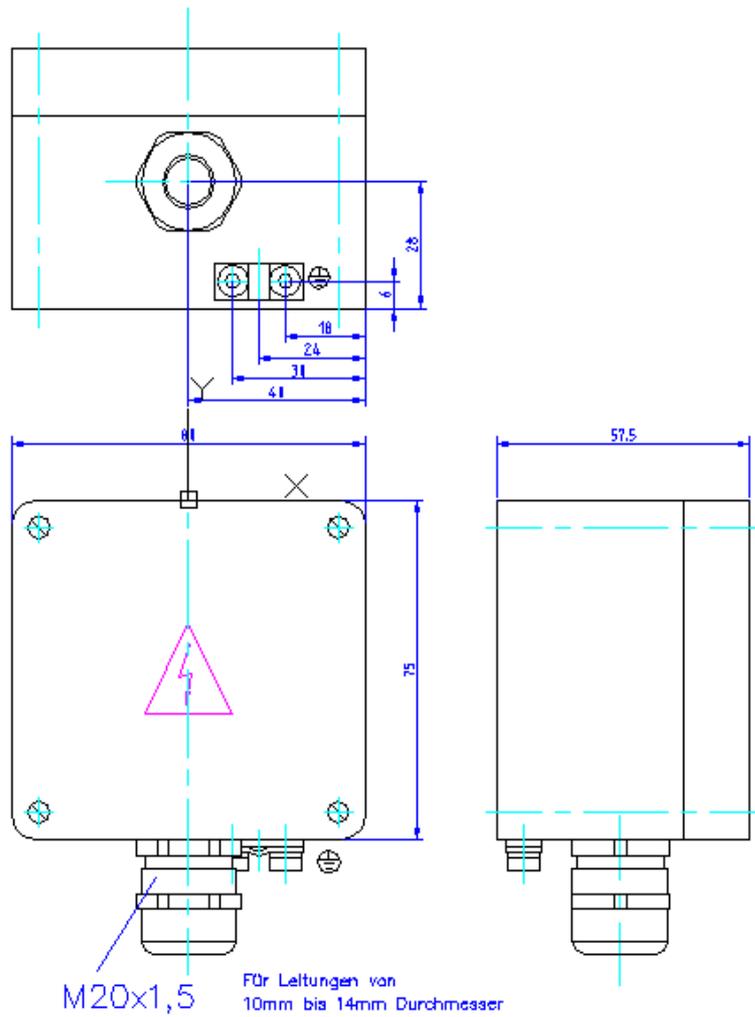
- Robust housing
- High accuracy
- Protection class IP 67
- Wall mounted
- Simple clamp
- EMC Protection

APPLICATIONS

- Building construction machines
- Building control
- Mobile and stationary cranes
- Forklift
- Alarm switch

The **G-Series** consist of a single axis conductive tilt sensor on a modern technology in environmentally protected and robust aluminum housing for wall mounting. The fast microcontroller works with a linearization and temperature compensation routines. This fully calibrated inclinometer offers a switch output signals. The inclination switch enables the angle of inclination of objects such as appliances, machines or motor vehicles to be monitored and emits an alarm signal when the angle is exceeded. The switch threshold can be set symmetrically by the customer in a range of $\pm 10^\circ$.

Dimensions [mm]

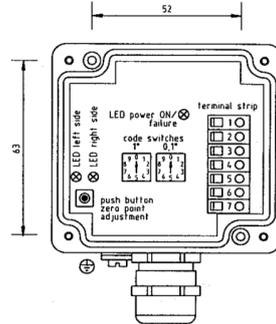
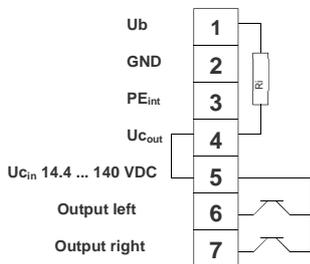


G-SERIES INCLINOMETER

PARAMETERS

	Conditions	Min	Typ	Max	Units
Measurement range		-10		+10	°
Resolution			0.001		°
Switch threshold adjustable	Single step 0.1	0.1		9.9	°
Precision	T=25°C	-0.1		+0.1	°
Precision (absolute)	T=-25 to +85°C	-0.25		+0.25	°
Switch output	load		10	50	mA
Switch voltage		+0.1		+140	VDC
Switch hysteresis		0.05		0.15	°
Terminal strip		0.08		2.5	mm ²
metric screw	Diameter M20, cable ø	8		12	mm
Voltage supply		+14.4		+30	VDC
Current consumption			15	20	mA
Operating temperature		-25		+85	°C
Storage temperature		-40		+85	°C
Protection class IP			67		IP
Weight			380		g
Dimensions	W x D x H		80 x 57 x 75		mm

PINNING:



For more details please use the product specification / application note / instruction manual.

G-SERIES INCLINOMETER

ORDERING INFORMATION

PART NUMBERING	UNIT	SHORT DESCRIPTION
G-NSG-001	NS-10/G	single axis, range +/-10°;Vcc 14.4...30VDC, switch output

NORTH AMERICA

TE Connectivity Sensors, Inc.
1000 Lucas Way
Hampton, VA 23666
United States
Phone: +1-800-745-8008
Fax: +1-757-766-4297
Email: customer-care.hmpt@te.com
Web: www.te.com

EUROPE

TE Connectivity Sensors
Germany GmbH
Hauert 13
D-44227 Dortmund
Germany
Phone: +49-(0)231-9740-0
Fax: +49-(0)231-9740-200
Email: customer-care.dtm@te.com
Web: www.te.com

ASIA

TE Connectivity Sensors China Ltd.
No. 26, Langshan Road
High-tech Park (North)
Nanshan District, Shenzhen 518057
China
Phone: +86-755-33305088
Fax: +86-755-33305099
Email: customer-care.shzn@te.com

www.te.com

TE Connectivity, TE Connectivity (logo) and EVERY CONNECTION COUNTS are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2017 TE Connectivity Ltd. family of companies All Rights Reserved.