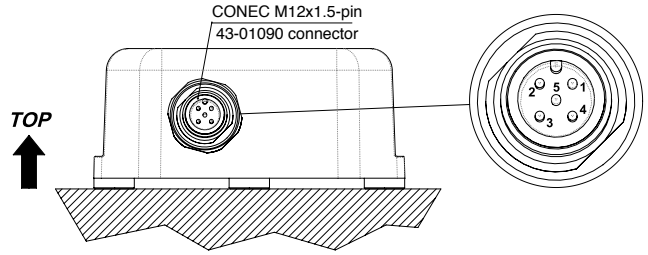
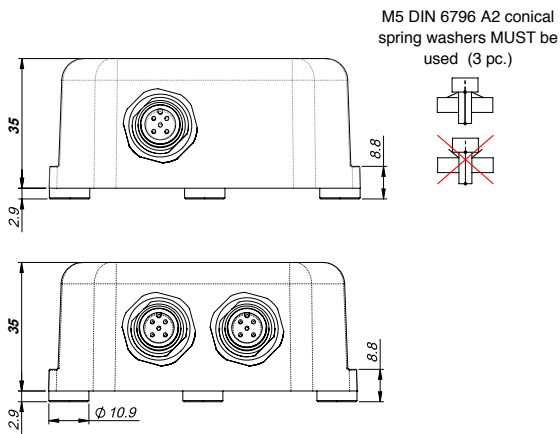


ELECTRICAL CONNECTIONS

M12 VERSION



CONNECTIONS	CAN CONNECTIONS
1. + SUPPLY	1. n.c.
2. OUTPUT Y	2. + SUPPLY
3. GROUND	3. GROUND
4. OUTPUT X	4. CAN H
5. n.c.	5. CAN L

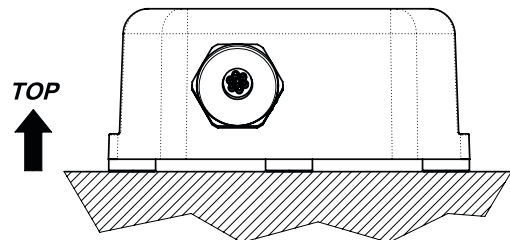
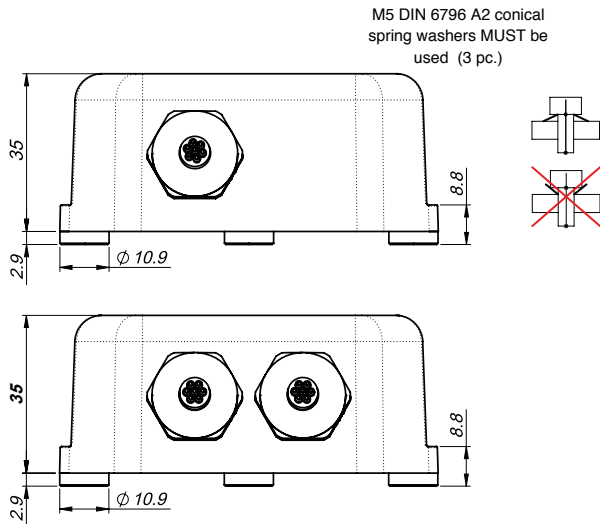
DUAL AXIS



SINGLE AXIS



CABLE VERSION



CONNECTIONS	CAN CONNECTIONS
1. WHITE +SUPPLY	1. WHITE +SUPPLY
2. YELLOW GROUND	2. YELLOW GROUND
3. GREY OUTPUT X	3. GREY CAN H
4. BLUE OUTPUT Y	4. BLUE CAN L
5. PINK n.c.	5. PINK n.c.
6. GREEN n.c.	6. GREEN n.c.
7. BROWN n.c.	7. BROWN n.c.

DUAL AXIS



SINGLE AXIS



ITEMS MARKED "n.c." SHOULD NOT BE CONNECTED

AUTOZERO FUNCTION (additional function)

available for analog versions in GIG-XY configuration (dual axis)




To activate **the Autozero function** make sure that:

- sensor is powered
- fixing surface is free of dust or grease
- sensor is fixed on the horizontal plane with suitable screws



ATTENTION!

The Autozero function can be defined **within a maximum range of +/- 4.5°** from the original zero position (factory set).

Hold the **magnetic pen** ① (accessory to order-PKIT312) to the **ZERO POINT**  indicated on the product label ②.

Hold the position for **at least 3-5 seconds** so that the operation is successful.

①

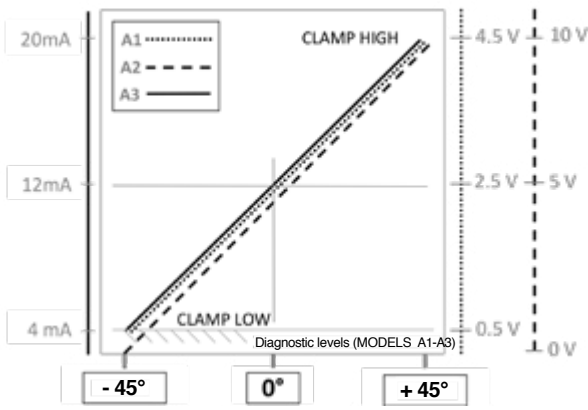


②

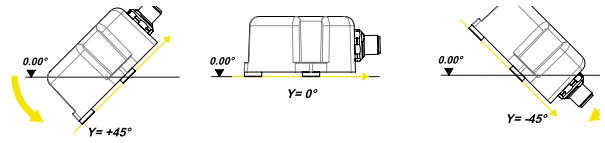
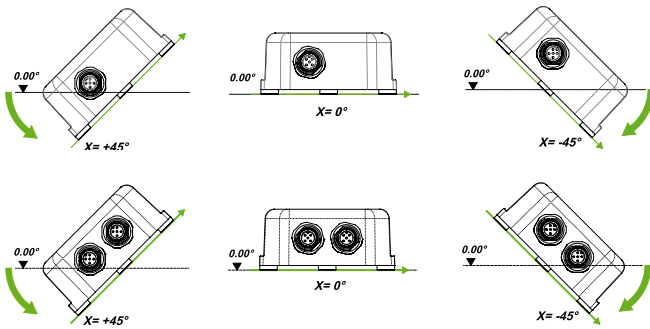
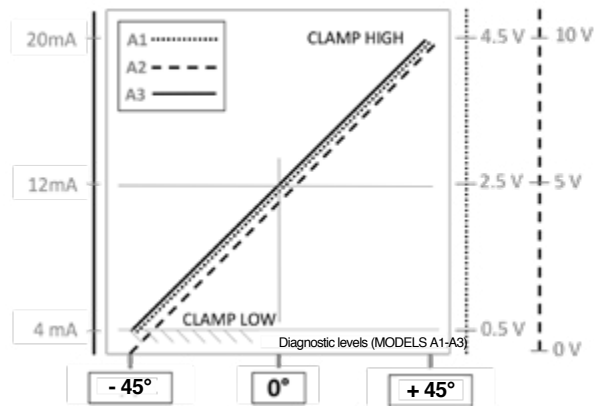


OPERATING SPECIFICATIONS: OUTPUT SIGNAL GRAPHS

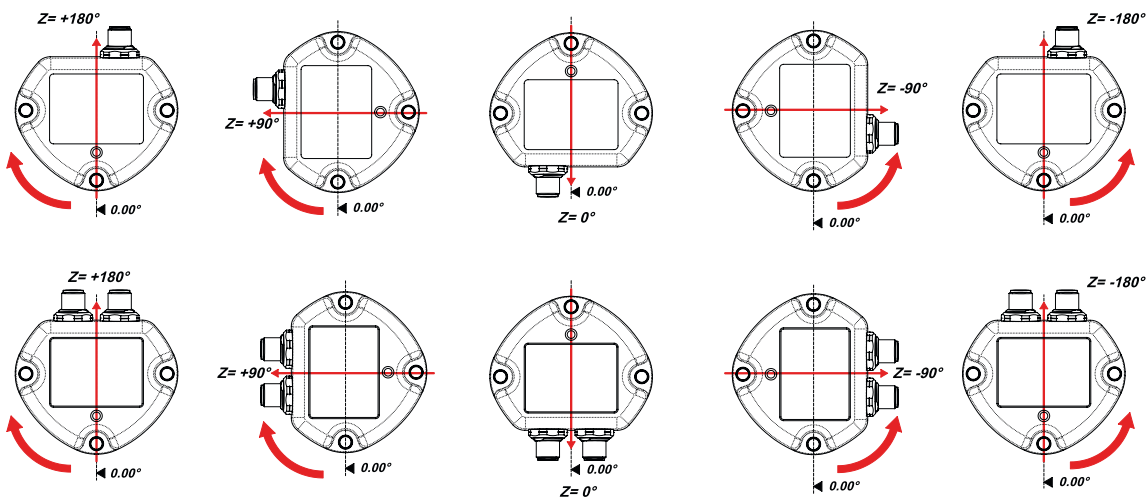
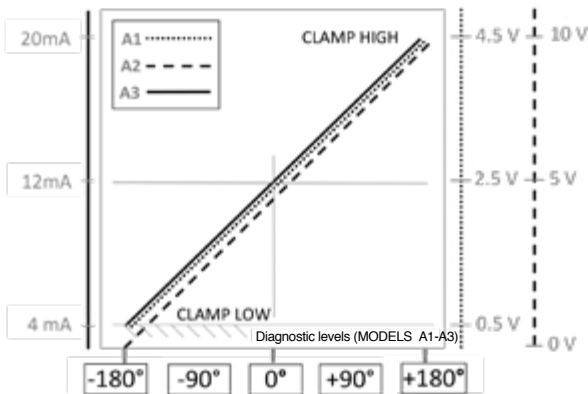
DUAL AXIS INCLINOMETER (XY) – X AXIS



DUAL AXIS INCLINOMETER (XY) – Y AXIS



SINGLE AXIS INCLINOMETER ($\pm 180^\circ$) – Z AXIS



LOAD CONDITIONS

+0.5VDC...+4.5 VDC output with power +10...36VDC and +0..10VDC output with power +11..36VDC: apply a load resistance > 100Kohm

+0.5VDC...+4.5VDC output (powered at +5VDC): apply a load resistance > 10Kohm

4..20mA output (with supply < 15Vdc to 10Vdc): maximum allowed load resistance is 200 ohm

4..20mA output (with supply > 15Vdc up to 36): maximum allowed load resistance is 500 ohm

ORDERING CODE

ELECTRICAL CONNECTIONS	
M12 connector output	M
Cable output (specify cable length)	F

AXIS TYPE	
Dual axis (XY axis)	O
Single axis 360° (Z axis)	V

CIRCUIT TYPE	
Single	S
Redundant	R

OUTPUT 1 MEASURING RANGE (output for single circuit)	
measuring range (indicate) ±10° ±15° ±20° ±30° ±45° ±60° ±85° (single Z axis for analog output-XY dual axis); 360° (±180°) only for single Z axis	XXX

OUTPUT 2 MEASURING RANGE (only for redundant version)	
measuring range (indicate) ±10° ±15° ±20° ±30° ±45° ±60° ±85° (single Z axis for analog output-XY dual axis); 360° (±180°) only for single Z axis	XXX

SUPPLY VOLTAGE	
+5Vdc (only for A1 output)	L
+10...+36Vdc (see output signal for right supply voltage)	H

OUTPUT TYPE	
+0.5...+4.5Vdc (available with supply L = ratiometric output and with supply H = 0.5...4.5V output)	A1
0...+10Vdc (powered at +11...36Vdc)	A2
4...20mA output (powered at +10...36Vdc)	A3
CANopen output (powered at +10...36Vdc)	C1

CABLE	
Cable without connector (always "0" in case of GIG-M version)	0

CERTIFICATES	
0	No certificate enclosed
L	Linearity curve enclosed

ACCESSORIES	
X	No accessory
Y	Magnetic pen (PKIT312)

CABLE LENGTH	
01	100 mm cable
02	200 mm cable
05	500 mm cable
10	1m cable
20	2m cable
.....	other lengths on request

EXAMPLE OF DESCRIPTION: GIGFOS030000HA30 0000X01

GIG	F	O	S	030	000	H	A3	0	0	000	X	01
	cable output	dual axis XY	single	± 30°	ND	+10...36Vdc	4...20mA output	cable only	no certificate attached	special execution	no accessories	100mm cable