

TILTIX Inclinator

ACS-080-2-AC00-HK3-5W



General Specifications

Application	2-Axes Position Monitoring and Leveling
Measurement Range	$\pm 80^\circ$
Absolute Accuracy	$\pm 0.10^\circ$
Resolution	0.01°

Electrical Specifications

Supply Voltage	10 - 30 VDC
Power Consumption (no load)	$\leq 0.7 \text{ W}$
EMC: Emitted Interference	DIN EN 61000-6-4
EMC: Noise Immunity	DIN EN 61000-6-2
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes
MTTF	400 years @ 40 °C

Environmental Specifications

Operating Temperature	-40 °C (-40 °F) - +80 °C (+176 °F)
Storage Temperature	-40 °C (-40 °F) - +85 °C (+185 °F)
Temperature Gradient	0.004°/ K
Protection Class	IP68/IP69K
Shock Resistance	$\leq 100 \text{ g}$ (half sine 6 ms, EN 60068-2-27)

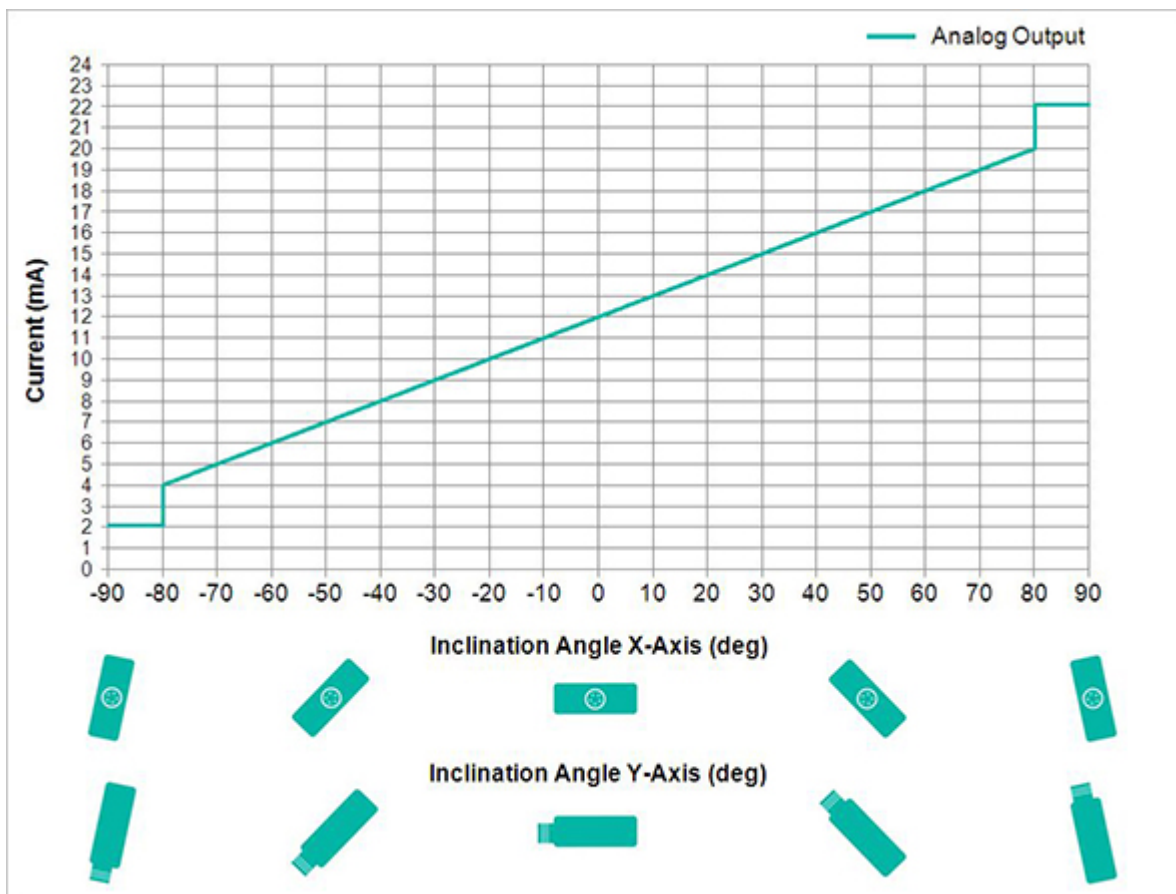
Vibration Resistance	1.5 mm (10 Hz - 58 Hz) & ≤ 20 g (58 Hz to 2000 Hz)
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Mechanical Specifications

Housing Material	Zinc
Potting Material	None
Weight	641 g (1.41 lb)

Interface

Interface	Analog Current 4 - 20 mA
Settling Time	min 30 ms; default 200 ms (dependent on filter settings)
Output Type	Current 4 - 20 mA
Max Load Resistance	270 Ω @ 10 V DC (500 Ω @ 15 V DC)
Linearity	$\pm 0.02\%$





Electrical Connection

Connection Type	Cable 5 m
Wire Cross Section	0.34 mm ² / AWG 22
Material / Type	PUR / PU
Cable Diameter	7.5 mm (0.30 in)
Minimum Bend Radius	56 mm (2.2") fixed, 75 mm (3") flexing

Product Life Cycle

Product Life Cycle	New
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Certification

Approval	CE
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Connection Plan

SIGNAL	CABLE COLOR
Power Supply	Red
GND	Yellow
X-Axis, Current Output	Green
Y-Axis, Current Output	Blue
Set1	Brown
Do Not Connect	Gray
Do Not Connect	Pink
Do Not Connect	White
Shielding	Shield

Dimensional Drawing

[2D Drawing](#)

Accessories

Displays

AP22-D0 Analog Display (4 dig. o/p)

DiMod-A Analog Display

Got questions? Need an individual solution? We are here to help!



Contact Us

All dimension in [inch] mm. This drawing and the information contained is for general presentation purposes only. Please refer to the "Download" section for detailed technical drawings. © FRABA B.V., All rights reserved. We do not assume responsibility for technical inaccuracies or omissions. Specifications are subject to change without notice.