

NS-25/DQL2-IXA Inclinometer

Dual Axis Inclinometer
Measurement Range $\pm 25^\circ$
Digital Output Signal via I2C



The **NS-25/DQL2-IXA** is a small board inclinometer based on dual axis tilt sensor, which works based on the conductivity principle. This microprocessor controls the inclinometer with a linearized and temperature compensated angle output signal via I2C.

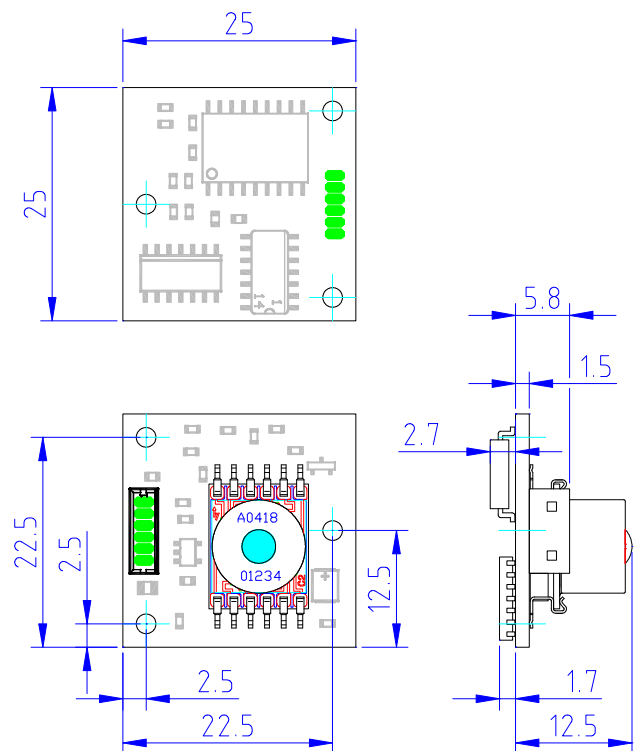
FEATURES

- Small size
- Full calibrated
- Digital output signal via I2C
- Temperature compensated
- Fast response time
- Easy to handle

APPLICATIONS

- Alignment and level control
- Harvester
- Vehicle applications
- Mobile and stationary cranes
- Man lift
- Forklift truck

dimensions [mm]



performance specifications

PARAMETERS

	Conditions	Min	Type	Max	Unit
Measurement range		-25		+25	°
Offset			0.15		°
Accuracy	Ta = 25 °C		±0.1		°
Accuracy	Ta = -25 °C... +85 °C		±0.3		°
Resolution			0.02		°
Output signal I2C	Baud rate	10		50	KBit/s
Power supply	Vcc	4.75	5	5.25	VDC
Current consumption			10		mA
Operation temperature range		-25		+85	°C
Storage temperature range		-40		+85	°C
Weight			10		g
Dimensions	W x D x H		25 x 25 x 16		mm

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ordering info

PART NUMBER	UNIT	SHORT DESCRIPTION
G - NSDQL - 001	NS-25/DQL2-IXA	Range +/-25°, Vcc +5VDC, output signal via I2C