

- Fully Calibrated
- Low Power Consumption
- Analogue or digital output
- -40°C to +85°C Operation
- High resolution and accuracy
- Non Standard Ranges Available
- Serialized for Traceability

The model **NA5000** inclinometer combines an integrated MEMS accelerometer with high drive, low impedance buffering for measuring inclination in commercial/industrial environments. On-board regulation is provided to minimize the effects of supply voltage variation. It is relatively insensitive to temperature changes and gradients. The cable's shield is electrically connected to the case while the ground (GND) wire is isolated from the case.



## APPLICATION

- Alignment of structures (rolling mills, alternators)
- Levelling (roads, railway tracks)
- Positioning of shooting platforms, radar antennas
- Safety purpose (cranes, offshore platforms)
- Angular measurements
- Detection of ship roll and pitch

## SPECIFICATION

	NA520X	NA521X	NA522X
Range	5°	15°	30°
Repeatability	0.005°		
Respond time	0.3s		
Nonlinearity	0.5%		
Supply	9~30V		
Current	<40mA@24VDC		
Output	0~5V/4~20mA/RS232/RS485/TCPIP (optional)		
Work Temp.	-45~85°C		
Sealing	IP67		

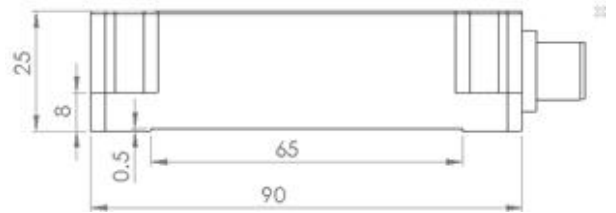
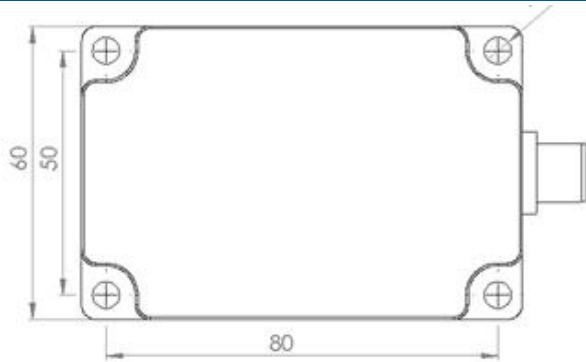
\*Unless otherwise specified, Vs=24VDC, TC=25°C



## WIRING INFORMATION

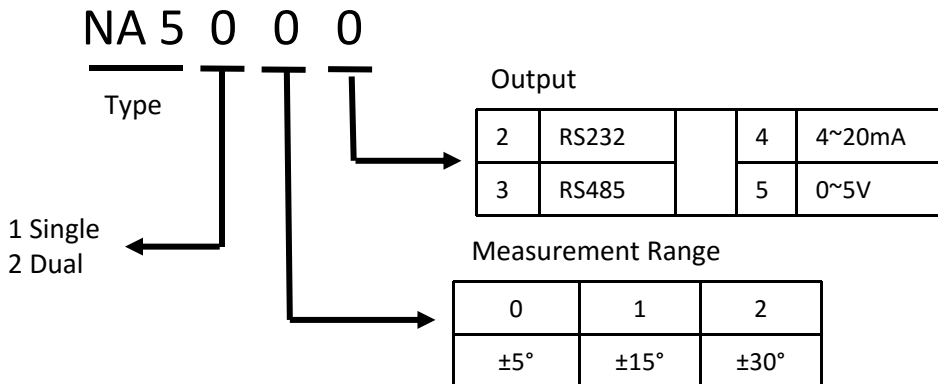
Color	Red	Black	Yellow	Blue	Green	White	Brown	Grey
Pin	1	2	3	4	5	6	7	8
Fun.	Power	GND	TXD	RXD	Zero	X Output	Y Output	NC

## DIMENSIONS



Units: mm

## ORDERING INFORMATION



Eg. NA5244 is dual-axis inclinometer about ±60°range with 0~5V output.

## WARRANTY

- The date of the product from the factory warranty for 1 year, the damage suffered as a result not covered under warranty:
  - Removal of artificial modification.
  - Not required the use (such as supply voltage overload, short circuit, etc.) within the scope outlined in the manual.
- In order to avoid a greater impact on your normal work but also delays the warranty period, please return the product to the factory, we will provide you with quality and efficient service.
- Nova reserves the rights to improve products, product specifications and design are subject to change without notice.