

Inclinometer Model MTS

The MTS MEMS based single (MTS-S) or dual axis (MTS-D) inclinometer is designed for general purpose applications. Featuring short warm-up time, quick response and short settling time. Internal electronics enable the customer to choose the preferred filters and voltage levels.



FEATURES:

- Short warm up and settling times
- Fast response
- Low power unregulated supply
- Low price

• SPECIFICATIONS:

	TILT
Measuring range	$\pm 45^\circ$
Non-linearity error ¹⁾	0.2%FR
Resolution	0.05° (bandwidth 5.0 Hz)
Power supply	$\pm 12V @ 5mA$
Output	$\pm 5V @ 2 mA.$
Zero temperature coefficient	0.015%/°C Typ.
Gain temperature coefficient	0.015%/°C Typ.
Temperature range	0°C to +70°C
Shock survival	100g, 11msec
Base material	Anodized Aluminium
Connector	Binder 4 or 5 ways plug
Weight	65 grams

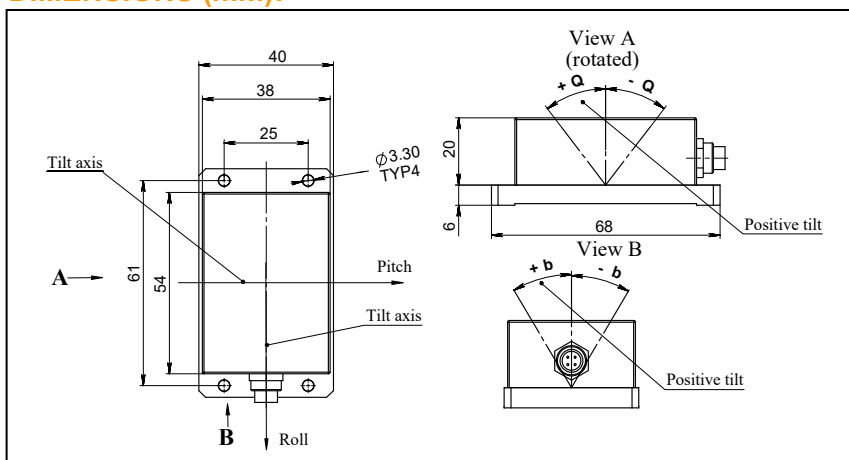
Notes:

1) Non-linearity error defined as maximum deviation of any point from the theoretical sine function line, in percents of the full measuring range. Linearity specified for a $\pm 45^\circ$ range.

How to order

Ordering example: For single version –Inclinometer MTS-S

DIMENSIONS (mm):



No Pin	To
1	+12V
2	-12V
3	GND
4	Out Pitch
5	Out Roll (for MTS-D only)

Rev. G

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