

# 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 <sup>1)</sup>	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

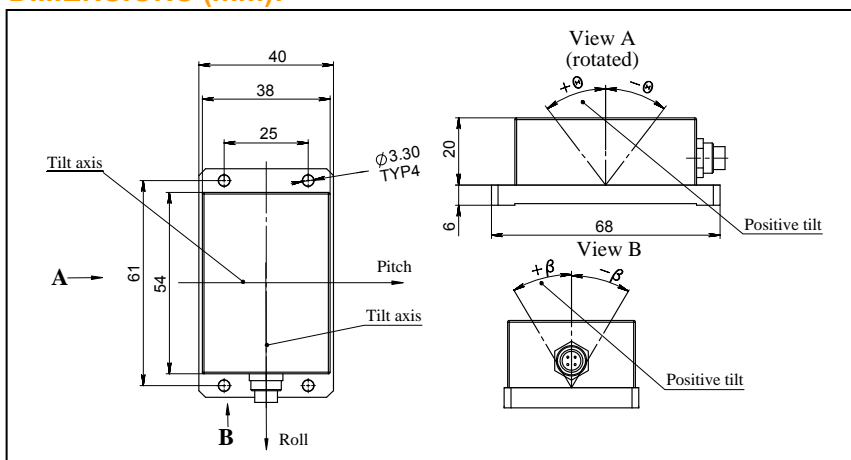
Notes:

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)

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## Singer Instruments & Control Ltd.

2 Yozma St., Tirat Carmel 39032, ISRAEL  
yuval@singer-instruments.com

Tel: 972-4-857-8880  
Fax: 972-4-857-8881

540 East Main St., Branford, CT 06405, USA  
fred@singer-instruments.com

Tel: 203-481-7278  
Fax: 203-488-7190