

# Inclinometer Model MTS45



The MTS45 MEMS based single axis 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



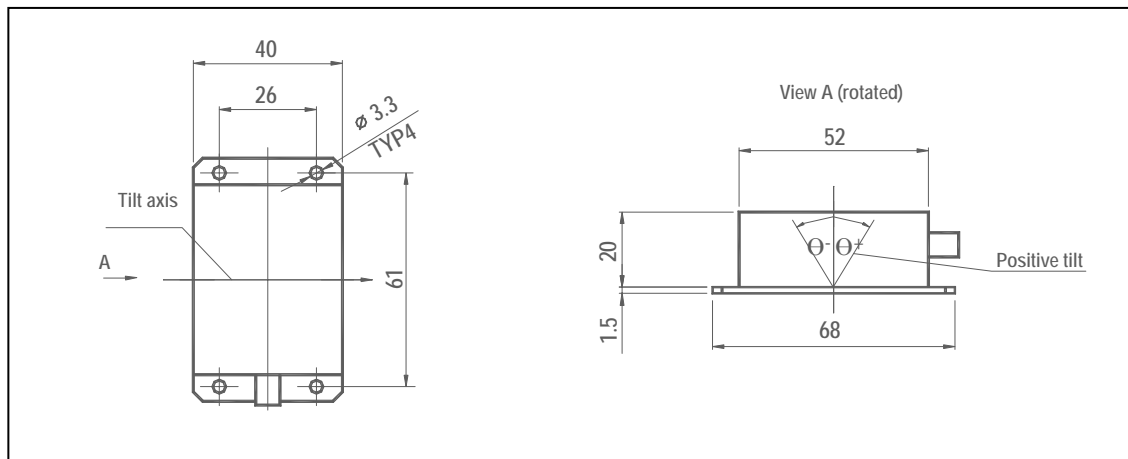
## SPECIFICATIONS:

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Measuring range	$\pm 45^\circ$
Non-linearity error <sup>1)</sup>	0.5%FR
Resolution	0.1°
Power supply	$\pm 12V @ 20mA$
Output	$\pm 5V @ 10 mA.$
Temperature range	0 to $+70^\circ C$
Shock survival	100g, 11msec
Housing material	Plastic
Connector	Binder 4 ways plug
Weight	50 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.

## DIMENSIONS (mm):



Rev. D

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## Singer Instruments & Control Ltd.

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

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

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

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