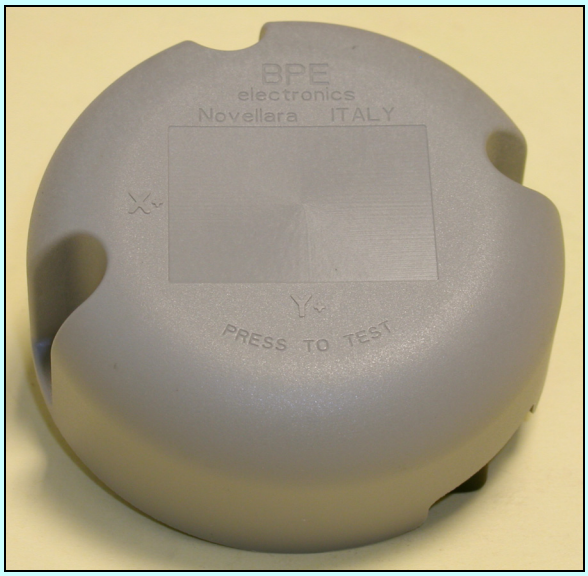
Angle digital transducer

TAC Series



Description

- Programmable digital device able to measure the tilt on one axis.
- Can be supplied pre-programmed at standard values
- Working range configurable on request (from 0 to 360°)
- Analog output from 0.5 to 4.5 Vdc (TAC-A)
- Hardware and software filters to remove vibrations and interferences
- Inputs and outputs protected against polarity reversal and short circuits
- The device is housed in a tough and compact polymer shell
- No moving parts

Options:

- CAN bus connection (TAC-C o TAC-AC)
- RS-232 serial port for Psion™/PC

Technical data

Power supply	9 to 33 Vdc	5 ± 0.25 Vdc(♣)
Output voltage	0.5 to 4.5 Vdc	
Max output current	8 mA	
Power draw	30 mA	
Std protection grade	IP 66	
Operating temperature	from -40 to +80 °C	

Intervention range	from 0 to 360°	± (5 to 30)°
Accuracy (♥)	± 0.5°	± 0.1° (♠)
Resolution	0.5°	0.1°
Temperature drift	± 0.01 degree /°C (♦)	± 0.001 degree /°C
Std cable length	30 cm	

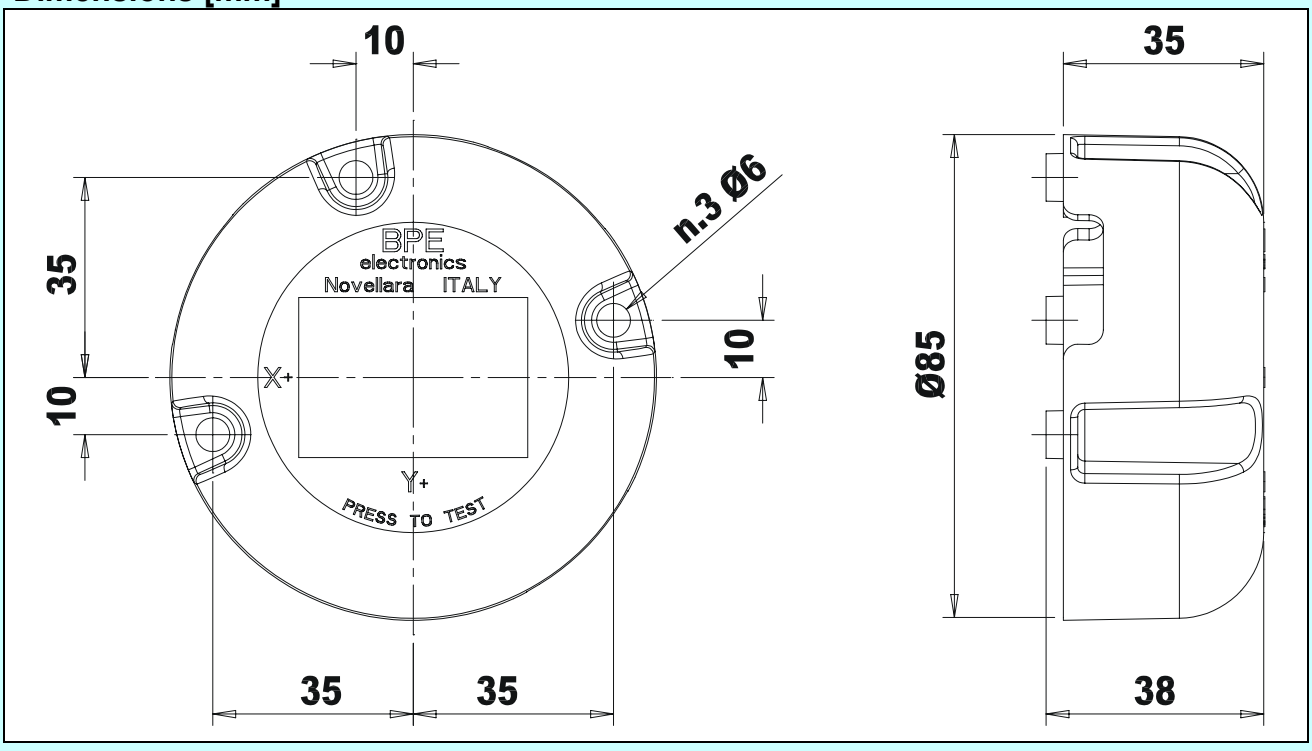
(♣) Available for analogue output version only

(♦) The temperature drift is ± 0.005 degree/°C for the CAN output version

(♥) Include non linearity, hysteresis and repeatability

(♠) For angles over half of the FS it is ± 0.2°

Dimensions [mm]



It is prohibited to use this apparatus/accessory until the machine onto which it is mounted has been declared in conformity with the Machine Directive 98/37/EEC.

BPE Electronics Srl should modify technical datas without advise

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