

NST 7001

Compensatorpotentiometer



NST 7001

By developing the NST 7001 we invented a electronic compensatorpotentiometer in which the weaknesses of other compensatorpotentiometer, whether mechanical or electronical have been taken into account. The NST 7001 avoids the usual problems of mechanical coupling.

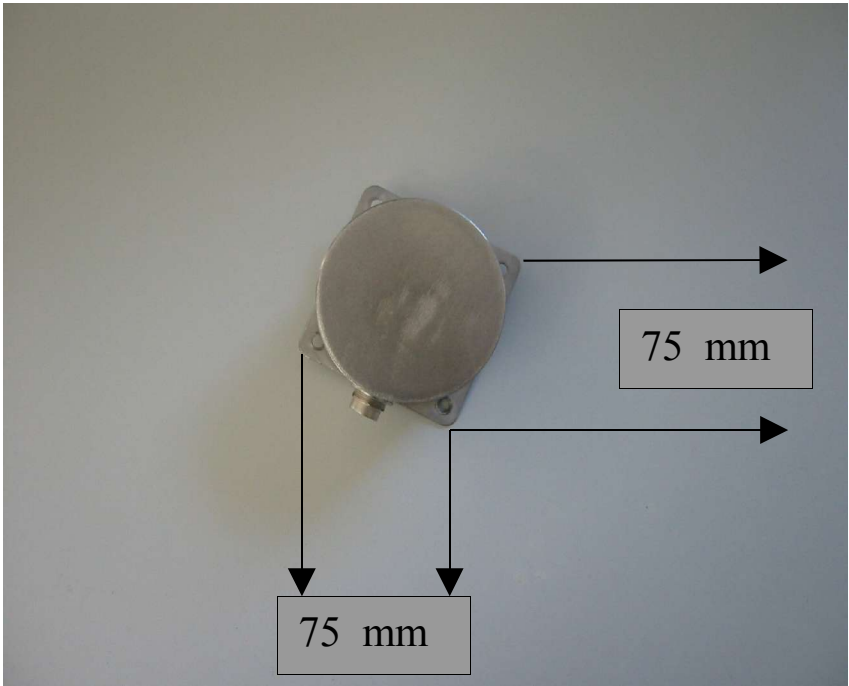
1. For the traditional potentiometers, there is always a mechanical wastage between wiper and the resistive element.
2. The field plates of a magnetoresistor potentiometer are being turned. This is a mechanical process, which also is subject to wastage.
3. It needs to have a mechanical connection between the compensatorpotentiometer and the nonmoving part of the machine (a chain for example). Due to this connection problems take place over the years and maintainance is unavoidable.

The NST 7001 compensatorpotentiometer does not need any kind of mechanical connection between the compensator and the nonmoving part of the machine. The compensatorpotentiometer may be installed at almost every place of the compensator.

The electrical output is only generated by gravity and it's effect on the oil filling. The compensatorpotentiometer works in a range of $\pm 85^\circ$, and must be installed vertically. This configuration is factory setting.

The signals output may also be adjusted to $\pm 45^\circ$. This setting takes place in our company and has to be declared at ordering.

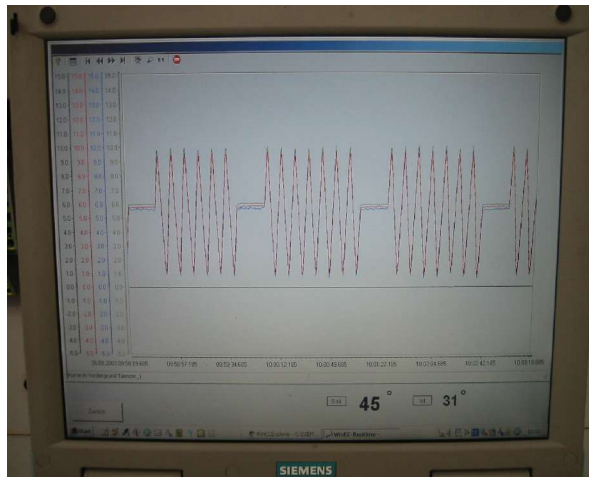
Dimensions NST 7001



As part of our quality control every NST7001 has to pass several long-term tests before delivery.



Every NST7001 is subject to a 72 hours automatic inspection for accuracy and reliability. The determined data are automatically analysed.

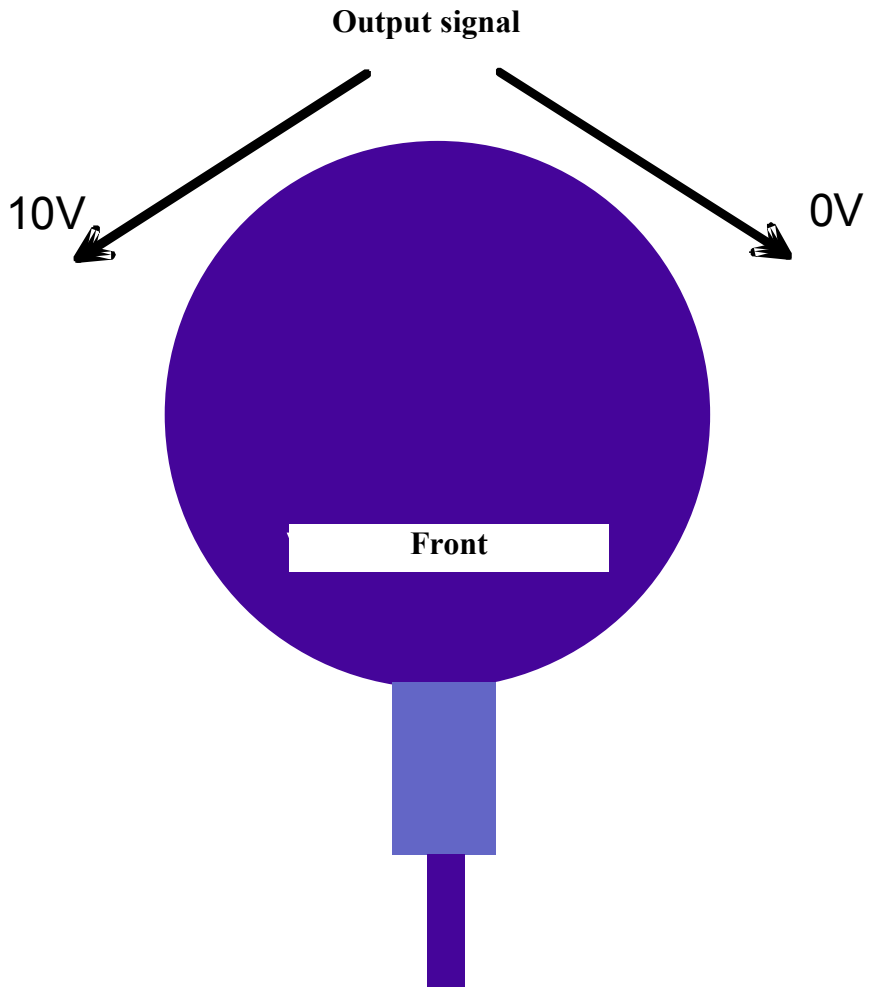


Data recorder

This control and the analysis software has been developed especially for quality control.

For this reason we make sure that every single NST7001 delivered to our customers functions flawlessly.

Output signal NST 7001



Dancer signal: right 0V
middle 5V
left 10V