



## NSS1-IP-24E-Z0020

### ■ MTMS - Mobile Inclination Monitoring System

- Measuring unit with rugged die-cast aluminum housing
- Large LED display (numeric / bargraph)
- Measuring range: +/-10°
- Resolution: 0.1°
- 2 programmable limit value switching points
- Automatic brightness control



The remote LED display allows flexible, independent positioning of sensor and display.



Perfect for heavy transport: The large LED display with automatic brightness control is easy to recognise at a distance of up to 20m.

### ■ DESCRIPTION

The inclination monitoring system consists of a measuring unit with sensor in a rugged aluminum housing with mounting plate and a large remote LED display, which can be viewed easily from a distance of up to 20m. It is designed for the industrial acquisition and display of quasi-static changes in the inclination angle of a monitored measurement object.

The system is able to measure the inclination angle with a MEMS precision sensor in a measuring range of +/-10° in relation to the horizontal. In addition, the inclination angle can be monitored and visualized on the remote LED display.

The current measured value is displayed numerically as well as in the form of a color graded bargraph. The zero position of the object can be determined and stored in a secured operating menu.

The user can program 2 limit value switching points and connect them externally via one voltage free switching contact each. The switching points and switching states are also shown on the LED display. Furthermore, the LED display has an automatic brightness control depending on the surrounding light of the environment.



■ TECHNICAL DATA

Order description:	NSS1-IP-24E-Z0020	
Supply voltage:	24 VDC (20 ... 28 VDC)	
Power consumption:	typ. 40W (max. 80 W)	
Measurement range:	+/- 10°	Resolution 0.1°
Programmable limits:	2 pieces (+/-SP1, +/-SP2)	
Number of relay switching contacts:	2 pieces, potential-free switch contact	
Max. Load capacity of switching contacts:	max. 1 A/30VDC	
Housing (measuring unit):	Die-cast aluminium housing (IP65) including mounting plate	
Dimensions measuring unit (without connectors + handles):	138x430x270 mm	ca.138x485x270mm (with connectors + handles)
Housing LED-Display:	Aluminium profile housing (IP65)	
Dimensions LED display (without connectors + sun visor):	178x574x80 mm	ca.200x613x160mm (with connectors + sun visor)
Connection cable LED display:	15 m	
Storage temperature range:	-25 °C ... +60 °C	
Operating temperature range:	-20 °C ... +40 °C	



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The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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