

APPLICATIONS

- Tilt measurement requiring high accuracy
- Leveling of platform
- Positioning of machines, enclosure, camera, antenna.
- Automatic and safety technology
- Scientific, medical and transmission equipment

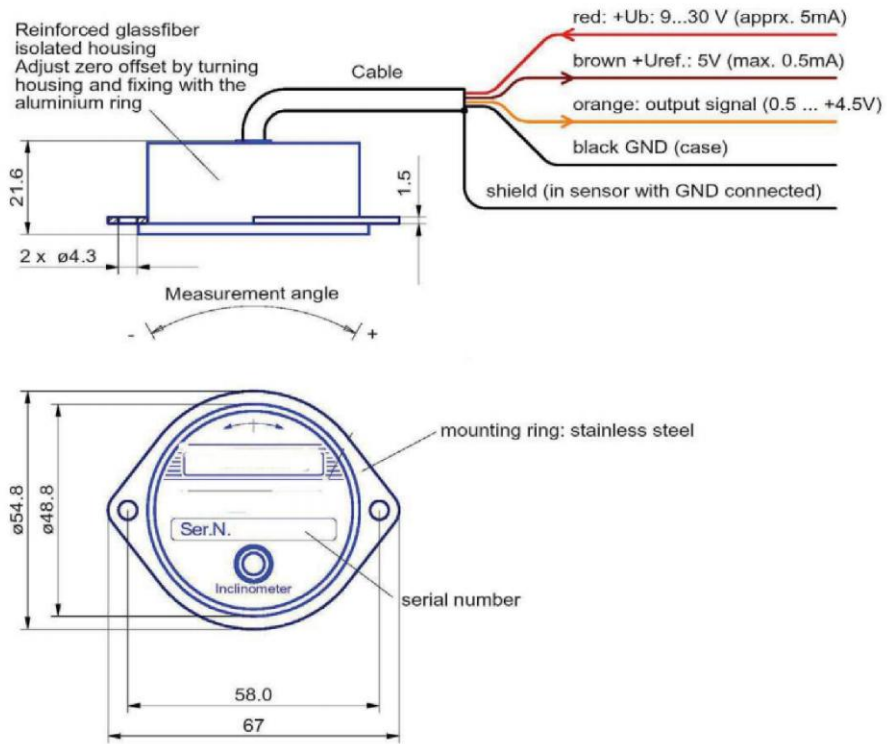
**DESCRIPTION**

- Measuring range :
 - ME26410: ± 10
 - ME26430: ± 30
 - ME26480: $\pm 80^\circ$
- Capacitive inclinometer with integrated electronics
- High accuracy
- IP 65 protection
- Long term high stability

TECHNICAL FEATURES

	<u>ME26410</u>	<u>ME26430</u>	<u>ME26480</u>
Measuring range	±10°	±30°	±80°
Resolution	<0.001°	<0.003°	<0.01°
Sensitivity (Ub=5V)	200 mV/°	66.67 mV/°	25 mV/°
Linearity	< 1 10 ⁻³ EM		
Transverse sensitivity	<0.5 %		
Response time	<0,3 s (1s, 2s, 3s optional)		
Supply voltage Ub=5V	9...30 V / 5 V		
Output offset for zero position	2.5 Volt		
Operating temperature	-40°C...+85°C		
Storage temperature	-45°C...+90°C		
Weigth	110 gr		
Influence of temperature on sensitivity	-0,01% / K		
Temperature influence on zero (Ub=5V)	<± 10 ³ / K		
Zero offset (Ub=5V ± 4%)	2.5 ± 0.1 Volt		
Output impedance (Ub=5V)	10 kOhm		
Output cable 4 conductors of 0.5 meters			

DIMENSIONS



Attention! Do not short circuit the supply voltage with one of the outputs.

SPHEREL Systems reserves the right to make any kind of design or functional modification at any moment without prior notice.