

GRADER WATCHMAN-3

Grader Slope Meter

GRADER WATCHMAN-3 is a grader slope meter that is used for control and monitoring of the blade slope of different graders. The device allows the operator to keep the blade slope at a desired angle with the aid of sound and light signals.

The device comes with two separate units:

- Control unit
- High accuracy wireless slope sensor

The slope sensor is connected to the grader blade and the control unit is attached to the window of the cabin, allowing the operator to view the measurement results and alarms directly from the cabin.



GRADER WATCHMAN-3 allows the operator to keep the blade slope at a desired angle with the aid of sound and light signals. Additionally, the device allows the operator to measure slope of an existing surface by lowering the blade of the grader to the desired surface location and then taking the measurement.

GRADER WATCHMAN-3 Features and Benefits

- Wide slope measuring range
- Adjustable blade turnout angle compensation
- Alarms and signals to help keep the blade slope at desired angle
- Measurement with display
- Wireless sensor is easy to install and requires less cabling
- Can be used during construction or to measure slope of existing surfaces

Parameter	Units	Value
Slope measuring range	°	+/- 44
Desired angle range	°	+/- 20
Accuracy	°	+/- 0.1
Sensitivity to longitudinal slope		0.5% slope to 45°
Control unit power consumption	W	< 2
Control block power supply	V	12...24 DC
Sensor power supply		2 x 1.5V AA
Sensor battery life (alkaline)		1 year
Protection per IEC 60529		IP65 control unit IP68 sensor unit