AUSPROTEC™

Highly visible colour readout, maximum versatility



Dual Axis Inclinometer - Active

Designed for harsh environments, the Inclinometer (Slope Meter) is supplied in a rugged ABS plastic enclosure with integrated buttons and 4.3" colour LCD graphics display. Also included, a fully adjustable RAM 1" ball mount, allowing for optimum positioning for the operator.

Both pitch and roll can simultaneously be displayed, with the ability to display yellow (on warning) and red (on alarm) in the event of the condition.

The angles are given in the unit selected (degrees or percent-gradient) in the System Settings menu.

Warning and alarm levels are user configurable through the password-protected (optional) menu. When a warning level is exceeded, the critical reading will be highlighted yellow and an internal audible alarm will begin to beep. When an alarm level is exceeded, the critical reading will be highlighted red and the alarm will sound continuously. Two positive drive outputs are provided that can be set to activate or deactivate on warning and alarm. The alarm can be turned on/off in the system menu.

The display is highly visible day or night due to the use of an industrially-rated transflective graphics LCD colour display. This allows the display to be positioned at an optional angle for operator visibility whilst allowing for accurate angle measurement.

The integrated keypad allows for customisation of the display; in application calibration; warning and alarm setup; minimum and maximum tilt display and sensor customisation.

One HMTS2F0000B 2-axis high-accuracy Mobus tilt sensor is included, with a 7m (22.9') cable length. When used in combination with the Inclinometer (Slope Meter), accuracy of one degree and customisable frequency response are achievable.

Integrated alarm and warning relays low current positive drive outputs. Both warnings and alarms can be configured to be normally-on or normally-off.













Reference: SBAP0321002

RCT
Head Office

Unit 1-5/511 Abernethy Rd
Kewdale WA 6105, Australia

sales@rct-global.com

Australia +61 8 9353 6577
Africa +27 83 292 4246
Canada +1 705 590 4001
Central Asia +7 910 411 1174
USA +1 801 938 9214
South America +56 22 4423 6600

Copyright © 2023 Remote Control Technologies Pty Ltd. Images for illustration purposes only. Discover more @ rct-global.com

Features

- Accurate to 0.1 degrees for up to 30 degrees of tilt in any axis
- Manual calibration can be performed
- 2 voltage outputs
- Multi-voltage range from 9-32V
- Reverse polarity protected
- Separate outputs for pitch and roll
- Rugged enclosure

Specifications

Input Voltage	9 – 32 VDC
Mounting	1" RAM mount with diamond base
Power Consumption	Less than 2W
Dimensions (Display)	130mm(W) x 94mm(H) x 25mm(D) (5.11" x 3.7" x 0.98")
Dimensions (Sensor)	82mm(L) x 58mm(W) x 36mm(H) (3.22" x 2.28" x 1.41")
Cable length	7m (22.9')
Sensor Resolution	1 degree
Sensor Accuracy	Accurate to 1 degree from 0 - 30 degrees / Accurate to 2 degrees 30 – 60 degrees
Operating Temperature	-20 to 70 degrees Celcius (-4 to 158 degrees Fahrenheit) / 5% - 95% relative humidity

Parts

APN: 16346 INCLINOMETER DUAL AXIS KIT - ACTIVE

Reference: SBAP0321002

RCT
Head Office

Unit 1-5/511 Abernethy Rd
Kewdale WA 6105, Australia

sales@rct-global.com

Australia +61 8 9353 6577
Africa +27 83 292 4246
Canada +1 705 590 4001
Central Asia +7 910 411 1174
USA +1 801 938 9214
South America +56 22 4423 6600

Copyright © 2023 Remote Control Technologies Pty Ltd. Images for illustration purposes only. Discover more @ rct-global.com