AUSPROTEC™

Highly visible readout, maximum versatility



Dual Axis Inclinometer Kit

Designed for harsh environments, the Inclinometer (Slope Meter) is supplied in a rugged ABS plastic enclosure with a polycarbonate fascia with integrated buttons and 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 option to invert in the event of an alarm or warning condition.

The display is highly visible day or night due to the use of an industrially rated transflective graphics LCD display.

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 RS485 tilt sensor is included, with a 15m 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 provide normally open, normally closed and common outputs. Both warnings and alarms can be configured to be normally-on or normally-off.

Power, outputs and the sensor are connected through a Deutsch DT12 socket at the rear of the unit. The wiring loom is made from flame-retardant Exane© wire.

Reference: SBAP1115054

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Features

- 9V to 36V supply voltage
- Adjustable industrial mount
- Highly visible pitch and roll readout
- Configurable numeric or graphical display
- Adjustable backlight
- Integrated user interface for customisation
- One degree accurate, variable frequency response sensors
- Highly configurable warning and alarm functions
- Integrated warning and alarm relays
- Integrated buzzer
- Optional password protection on the setup menu

Specifications

Input voltage	9 - 36 Volts
Power consumption	Maximum 2W (165mA @ 12V)
Warning relay output	Normally open or normally closed, 36V max, 1A max, internally fused
Alarm relay output	Normally open or normally closed, 36V max, 1A max, internally fused
Maximum tilt	-90 to 90 degrees, recommended use -60 to 60 degrees
Accuracy	1 degree from 0 to 30 degrees, 2 degrees from 30-60 degrees
Refresh rate	10 updates per second
Frequency response	10Hz to 0.1Hz, user settable
Communications protocol	Enhanced RS485 – differential, will operate with one broken connection
Dimensions	57mm (base width), 82mm (w), 51mm (h), 32.2mm (d), cable 15m (l)
Wiring loom dimensions	50cm (l)
Operating temperature	40°C to +85°>C
Humidity	5% to 95% relative humidity

Parts

APN: 12552 INCLINOMETER DUAL AXIS KIT (HUMMINGBIRD)

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