



PRO 3600

Digital Protractor with Digital Output

- ▣ Measurement range 360° (4x 90°)
- ▣ Accuracy $\pm 0.05^\circ$ (range 0° $\pm 10^\circ$)
 $\pm 0.1^\circ$ (range 90° $\pm 10^\circ$)
 $\pm 0.2^\circ$ (other ranges)
- ▣ Display in °, RS-232 compatible output
- ▣ Supply voltage: 9 V battery



The PRO 3600 series is a revolutionary measuring tool that provides an immediate, digital reading of all angles in a 360° circle. The machined aluminium frame is a rigid, lightweight, ultra-precise platform that allows the state-of-the-art sensor and its microprocessor circuit to provide unsurpassed accuracy throughout the Protractor's 360° range.

The PRO 3600 series uses an innovative liquid-filled angle sensor. As the protractor is moved, the liquid seeks a new position, resulting in changes in the electrical properties of the sensor. A microprocessor analyzes the changes and calculates the numbers seen on the display.

The PRO 3600 has an RS-232 compatible digital output which will interface with computers, data loggers and printers. This feature, along with the improved accuracy, higher resolution and simple operation, makes the PRO 3600 a benchmark tool for years to come.

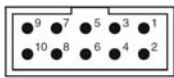
More Features:

- ▣ Resolution 0.01° up to $\pm 10^\circ$
- ▣ Easy to read LCD display
- ▣ Precision, machined aluminium frame
- ▣ Unit can be recalibrated to factory accuracy in the field without special tools
- ▣ Typical applications: drive shaft alignment in trucks and boats; flap setting in aircraft; wheel retraction in aircraft; building setup, roof angles; drainage angles; road angles, runoff slopes; grader and tractor work alignment

▣ Specifications

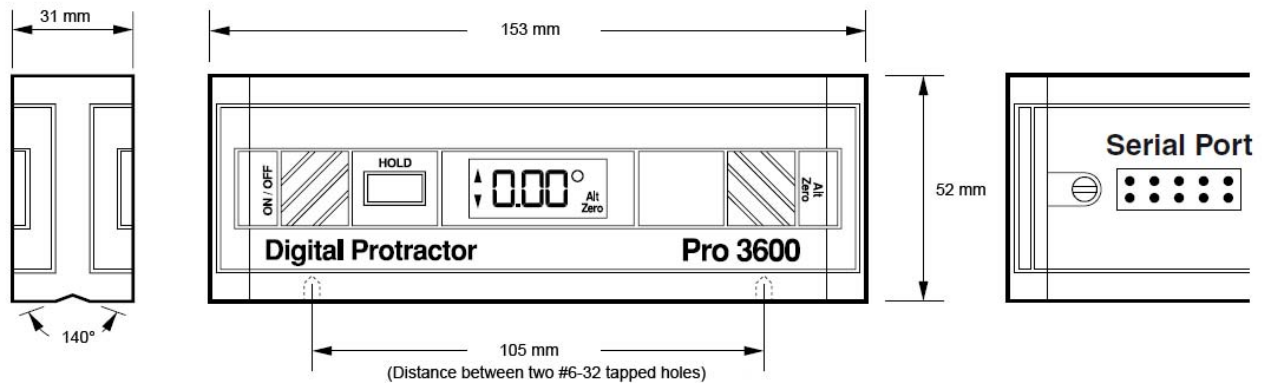
Range:	360° (4 x 90°)	Supply voltage:	9 V battery
Resolution:	0.01° (range 0° to 9.99°) 0.1° (range 10° to 90°)	Battery life:	500 hours typical
Accuracy:	$\pm 0.05^\circ$ (range 0° $\pm 10^\circ$) $\pm 0.1^\circ$ (range 90° $\pm 10^\circ$) max. $\pm 0.2^\circ$ (other ranges)	Operating temperature:	-5 ... +50 °C
Repeatability:	$\pm 0.05^\circ$	Storage temperature:	-20 ... +65 °C
Cross axis error:	Minimal	Data output:	RS232-compatible, ASCII-format, 9600 Baud, one stop-bit, no parity
		Weight:	approx. 325 g

Pin Assignment



Pin No.	Signal	I/O	Description
1	GND	N/A	Signal GND
2	TD	Output	Serial data output
5	REQ	Input	RS-232 input, high signal requests data output.
9	BATT+	--	Power input, or output if battery is installed in unit.
3, 4, 6-8, 10			Not used

Dimensions



All dimensions in mm, approx. values.

These drawings are for information only and not intended for construction purpose. Please ask for detailed drawings.

Ordering Information

PRO 3600	PRO 3600 unit and accessory: - Factory calibration certificate - Transport case - 9 V battery - Manual
	Further Accessory
PRO-MF	Magnet base (available only when ordered with a PRO 3600 unit)
KA-PRO3600-RS-5m	RS-232 connecting cable, length 5 m

Due to continual product development, ALTHEN and partners reserve the right to vary the foregoing details without prior notice.