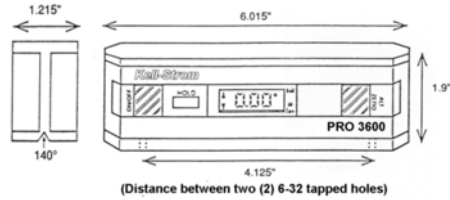




PRO 3600 DIMENSIONS & SPECIFICATIONS

PRO 3600 DIMENSIONS

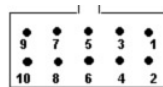


Range:	360 degrees (90 degrees X 4)
Resolution:	0.01 degrees (0 deg. - 10 deg.) 0.10 degrees (10 deg. - 90 deg.) +/-0.05 degrees (0 deg. - 10 deg.) +/-0.10 degrees (80 deg. - 90 deg.) +/-0.20 degrees (10 deg. - 80 deg.)
Accuracy:	0.05 degrees
Repeatability:	Minimal
Cross Axis Error:	
Serial Port:	Type: RS-232 Connector: 10 Pin, rectangular
Supply Voltage:	9 volt alkaline battery
Battery Life:	500 hours (typical)
Temperature:	Operating: -5 deg.C - +50 deg.C (23 deg. F - +122 deg. F) Storage: -20 deg.C - +65 deg.C (-4 deg. F - +149 deg. F)
Weight:	289 grams (10.2 ounces)

PRO 3600 Serial Port:

- The PRO 3600 has an RS-232 compatible serial port for angle readout. The angle is output in ASCII in response to a HI signal on the REQ line. The T&B Ansley 609-1027 connector on the back of the PRO 3600 mates with industry standard cables. Angles are calculated and output every 533msec (8/15) second.

Pin Assignments:



Pin Number	Signal	I/O	Description
1	GND	N/A	Signal Ground
2	TD	Output	Transmits serial data bits (9600 baud, 1stop bit,no parity)
5	BATT+	Input	RS-232 input; high signal requests data output
9	BATT+	Either	Power input, or output if battery is installed in protractor
3,4,6,7,8,10			Not in Use

DC Electrical Characteristics:

Parameter	Minimum	Nominal	Maximum	Unit
REQ input low voltage	-25	-	0.4	volts
REQ input high voltage	2.4	-	25	volts
REQ input resistance	3	5	7	kohm
TD output low voltage	-	-5	-	volts
TD output high voltage	-	+5	-	volts
BATT+ input voltage	4.25	9	10	volts

Angle Output Format:

The ASCII angle output may be read by a computer, or may directly drive a printer. Measured angles cover a full 360 deg. range and the readout is between -180 deg. and +180 deg.

Format examples:

<sign>	XXX.XX	<carriage return>	<line feed>
+	124.50	<carriage return>	<line feed>
+	32.70	<carriage return>	<line feed>
+	9.38	<carriage return>	<line feed>
-	4.31	<carriage return>	<line feed>