AngleStar® Digital Protractor

Model DP-45

The AngleStar® Digital Protractor Model DP-45 provides instant digital display of level, angle and tilt. Consists of a rugged electronic sensor, custom circuitry and liquid crystal display in an easy-to-use, hand held battery powered package. Features include alternate reference and display hold. Digital display eliminates the need to interpret a bubble or vernier scale.

Features

- Reads in degrees
- ☐ Alternate reference (floating zero)
- Display hold
- ☐ High impact plastic carrying case

Applications

- ☐ Driveshaft maintenance
- ☐ Antenna positioning
- ☐ Race cars
- ☐ Machine tooling
- 1. ON/OFF The instrument is powered by a single push of the ON/OFF button. Power is removed by a second push of the same button or after a 10 minute time out period.
- HOLD The display reading on the LCD is retained and flashes when the HOLD button is depressed. Push again to release hold feature.
- 3. ALT REF (Floating Zero) Alternate reference allows you to zero the digital readout anywhere within its range for a quick and accurate measurement of deviations from a reference surface.
- 4. LO BAT LO BAT is displayed on the LCD when the battery voltage drops below 7 volts. The battery should be replaced when this condition exits. Low battery voltage may affect accuracy.
- MINUS SIGN The minus sign (-) indicates an angle in the counterclockwise direction from zero. Absence of the minus sign indicates an angle clockwise from zero.
- OVER RANGE When the instrument is used at an angle that exceeds its measurement range (±55° from level, null) no angular reading will appear on the LCD and OVER RANGE will flash.
- 7. ALT REF Depressing the ALT REF button will zero the display reading to a new reference and "ALT REF" will be displayed on the LCD. A second push of the ALT REF will return the instrument to normal, or gravity referenced mode.



Performance Specifications

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Range	±45°
Resolution	±0.1°
Linearity	±0.1° (0° to10°)
·	1.5% of reading (10° to 45°)
Repeatability	±0.1°
Cross Axis Error	<1% up to 45° cross axis angle
Voltage Supply	9 volt battery
Battery Life	100 hours approx.
Temperature Range	• •
Operating	0° to 65°C
Storage	40° to 65°C
	12.3 oz (349 gms)

