6657

LASER®

Digital Inclinometer

Instructions

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recycle

When you have finished with this packaging please recycle it

Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.

www.lasertools.co.uk

TOOL CONNECTION
The Complete Connection

Distributed by The Tool Connection Ltd

Kineton Road, Southam, Warwickshire CV47 0DR
T +44 (0) 1926 815000 **F** +44 (0) 1926 815888
info@toolconnection.co.uk **www.toolconnection.co.uk**

www.lasertools.co.uk

6657 Digital Inclinometer

The 6657 Digital Inclinometer is a digital angle gauge or digital protractor. Equipped with a built-in magnet in the base, the 6657 is designed for measuring angles on metal and other surfaces. Powered by a 1.5V AAA battery. It is supplied with a useful storage pouch.

In the modern motor vehicle accurate angle measurement is becoming more and more important, with engine and suspension components needing to be set up and maintained using accurate angle measuring instruments.

The 6657 is ideal for use as a digital camber/caster gauge when used in conjunction with the Gunson 77137 Trakrite Camber Bar.

Uses include:

- Suspension setting of camber and caster.
- Setting bumper mounted radar units used in vehicle collision avoidance and parking assist systems.
- Citroen/Peugeot variable valve timing setting and checking (where OEM 1376-A tool would be used).
- Angle checks for comparison and setting on any flat surface.
- Level checks on vehicle body alignment equipment during crash repair.

Controls:

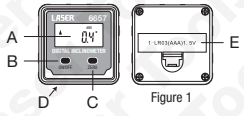

Figure 1

A	LCD Display
B	ON / OFF button
C	ZERO button
D	Magnet (on base)
E	Battery cover

Adjusting a Surface to Level:
In **ABS Mode**, the symbols displayed ▲ or ▼ show the direction a surface must be adjusted to achieve horizontal level.

Calibration:
Note: *The instrument has been calibrated at the factory. It should not need recalibrated unless it has been dropped, or received a similar shock impact.*

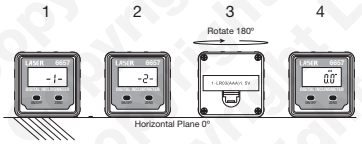

Figure 4 CALIBRATION MODE

1. Place the 6657 Digital Inclinometer on a flat and smooth surface. Press button **B** to switch on, then press button **B** and **C** at the same time to enter the **Calibration Mode: -1-** will be displayed (refer to **Figure 4**).
2. Press button **B** again: **-1-** will flash briefly; do not move instrument until **-2-** is displayed.
3. Rotate instrument through 180º and press button **B** again; **-1-** will flash briefly. Do not move until the unit has completed the calibration and the display has reset to the current level. (Any reading on the display shows the angle to horizontal water level).

Battery Installation:
Ensure that the 6657 Digital Inclinometer is switched off. Remove the rear battery compartment cover E and remove the existing battery. Install a new 1.5V AAA battery following the polarity indication. Replace the battery compartment cover. Dispose of the used battery according to local authority guidelines.

Technical Specifications:

Accuracy:	0º and 90º: ±0.1º Other angles: ±0.2º
Resolution:	0.1º
Working range:	4 x 90º
Working Temperature:	0ºC to 50ºC (32ºF to 122ºF)
Working Humidity:	≤ 85%
Power Supply:	1 x 1.5V AAA alkaline battery

Precautions:

- To ensure operator safety, use the instrument in accordance with these written instructions.
- Do not store or operate the instrument at high temperatures or in conditions of high humidity, dampness or condensation.
- If the instrument is not to be used for a long period, remove the battery to avoid harmful leakage.
- Avoid areas of severe vibration.
- Keep the instrument clean and in good condition
- Protect the instrument from electromagnetic fields and static electricity.

Safety First. Be Protected.

Operation:

- Press ON / OFF button **B** once to switch on. To switch off, press and hold button **B** for approximately 2-3 seconds.
- The instrument automatically shuts off after approximately 5 minutes of no movement or button presses. To restart, press button **B** again.
- *There are two angle measuring modes:*
- **ABS** (absolute) **Mode** (**ABS** appears on display) measures the angle between a flat, horizontal surface and an object (**Figure 2**).
- **Relative Measurement Mode** allows the operator to measure the difference between two objects (**Figure 3**).
- With the instrument switched on, press the ZERO button **C** to set the display to zero and enter the **Relative Measurement Mode** (the **ABS** symbol on the display will disappear).
- To return to **ABS Mode**, press button **B** again.

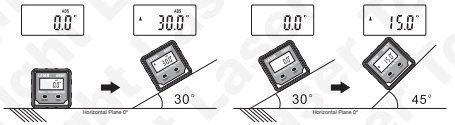

Figure 2 ABS MODE Figure 3 RELATIVE MEASURING MODE