

## Preparation and Precautions

- Always wipe the ends of the spindle and anvil before measuring.
- Do not drop or apply excessive force to the instrument.
- Do not disassemble the instrument.
- Do not store instrument under direct sunlight, or in excessively cold or hot conditions.  
Operating temperature: 0 to 40°C;  
storage temperature: -20° to 60°C
- Do not use in the vicinity of high voltages or high magnetic fields.
- Use a soft, dry cloth to clean; do not use organic solvents such as acetone or benzene.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.

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### 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.



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Part No. 6221

# LASER®

## Electronic Digital Micrometer

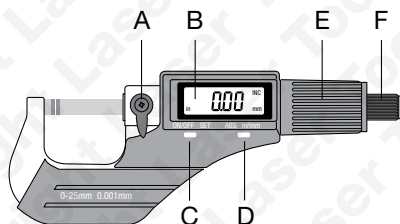
### Instructions



- Handy electronic micrometer with cast frame for rigidity and large, easy to read, LCD display.
- Equipped with both a solid and ratchet drive for repeatable measurement pressure and accuracy.
- Measures both metric (mm) and Imperial (inch).
- Measurement can be absolute or relative (incremental mode).
- Measurement range: 0-25mm.
- Accuracy 0.001mm.
- Powered by a single CR2032 battery (supplied).
- Supplied in fitted plastic case for security.

[www.lasertools.co.uk](http://www.lasertools.co.uk)

## Controls



<b>A</b>	Spindle lock
<b>B</b>	LED display
<b>C</b>	ON/OFF/SET key
<b>D</b>	ABS/INC/Unit key
<b>E</b>	Friction drive
<b>F</b>	Solid drive
<b>G</b>	Battery (CR2032)
<b>H</b>	Battery compartment cover
<b>I</b>	Battery cover key
<b>J</b>	5mm ball attachment

## Operation

### ON/OFF/SET key (C)

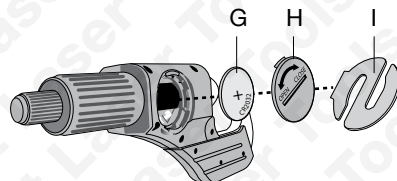
- Press and release: switches power on or off.
- Press and hold (approximately 5 sec): Sets to zero - datum setting for absolute measurement.

### ABS/INC/Unit key (D):

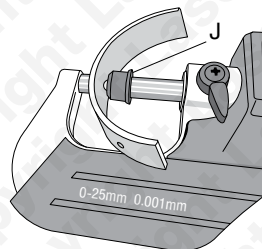
- Press and release to change between ABS and INC.
- ABS = Absolute measurement — spindle closed on to anvil and measurement datum set to zero.
- INC = Incremental (relative) measurement — zeros the display at any position of the spindle and display shows INC.
- Press and hold (approximately 5 sec): sets metric or Imperial (inch) measurement (mm will display in metric mode, in will display in Imperial mode).

## Battery

- The micrometer is powered by a single CR2032 3-volt battery.
- Replace the battery when the LCD display data is dim or flashing.
- The battery (G) is accessed by removing the battery compartment cover (H) with the supplied key (I).
- Turn to the left to open, then turn to the right when replacing the cover to lock it in position.
- Battery is fitted with positive (+) face outwards (refer to diagram above).
- If not used for five minutes or so, the micrometer will switch off. Switching off after use will conserve the battery. It is advisable to remove the battery if the micrometer is not to be used for a period of time.



## 5mm Ball Attachment



- Can be fitted to either spindle or anvil. Used to measure internal curved pieces (eg, bearing shell).
- Fit ball attachment (J), close up spindle then press and hold (C) (approximately 5 sec) to set to zero.