50-890-006 // Electronic Depth Micrometer

Product Code	Description/Size
50-890-006	Electronic Depth Micrometer 0-150mm/0-6"

SPECIFICATION

Large easy to read LCD display.
Absolute and Relative measuring modes.
True inch/metric conversion.
Resolution :- Metric 0.001mm Inch 0.00005in
Tungsten Carbide anvil faces, Satin Chrome thimble and frame.
Friction style thimble and Spindle lock lever.
Measuring force 5 – 10N.
Maximum Measuring Speed 80mm / sec.
Operating temperature 0 - 40° C
Storage temperature -20 to 60° C
Powered by single silver oxide cell, SR44W
Accuracy 0.005mm
Repeatability 0.001mm
Base size :- 100mm Long X 16mm Wide
Supplied with 6 fl at ended depth rods.
Protection: IP54

OPERATING INSTRUCTIONS

Recommended Setting Method for Depth Micrometers in Absolute Mode.
Clean Micrometer base. Select and clean required depth rod.
Each depth rod is marked with its range in millimeters.
Insert spring retaining end of depth rod into hole in centre of base.
Push rod firmly until it engages positively with stop inside micrometer body.
For 0 – 25mm (0 – 1") range
Position depth rod so that it does not protrude through base.
Place base face down on a fl at surface plate.
Hold base firmly against surface plate whilst advancing depth rod to contact surface plate with the thimble.
Use friction thimble to obtain a repeating reading.
Press Datum button to remove INC from display.
Press Present button together with either Pr + or Pr – to move digits to zero.
Preset +/- feature starts slowly and increases speed.
To fine set, get close to size and release button then re-press to move digits slowly again.
Once zero is achieved press Preset button to set into memory.
Micrometer is now set to read depth from 0 – 25mm or 0 – 1"

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OPERATING INSTRUCTIONS

Setting for larger rods.
Select larger rod required and clean.
Insert into micrometer base as previously described.
Stand two equal piles of gauge blocks on the surfase plate at a height within the range of the selected rod.
Sit micrometer base on slip piles.
Hold base firmly against slip piles whilst advancing depth rod to touch surfase plate.
Use friction thimble to obtain a repeating reading.
Press Preset button to remove Inc from display.
Press Preset button together with either Pr + or Pr – to move digits to size of slip pile
Once size is achieved press Preset button to set size into memory
Micrometer is now set to read depths within the range marked on the depth rod.
Alternative setting method
First set micrometer to read zero with 0 – 25mm rod selected as previously described.
Insert required larger rod.
Move micrometer thimble to read zero.
Use Preset functions to now set digits to indicate the lower size indicated on the depth rod.
Set this into memory. The micrometer is now set to read depths within the range of the depth rod.
This setting method relies on the accuracy of the depth rods.

OPERATING CARE

Clean measuring faces with dry soft cloth only
Keep away from strong magnetic fields
Prevent ingress of oil/liquids into electronics
Remove battery if instrument is not used for a long period of time
Do not disassemble or drop instrument
Do not mark instrument with ultrasonic etching pen

FAULT FINDING

Fault	Correction
Display value frozen	Check if in H or P mode
Display confusion	Remove battery for 4 minutes then replace to reset electronics
Incorrect measurement	Clean measuring surfaces, reset zero/datum setting
No display	Check battery voltage and instrument contacts
Display flashes	Replace battery