

Electronic Micrometer Model: 50-705-025



50-705-025: Electronic Micrometer

Features

Range:	0 – 25mm / 0 – 1”
Resolution:	0.001mm / 0.00005”
Accuracy:	± 0.004mm
Repeatability:	0.001mm

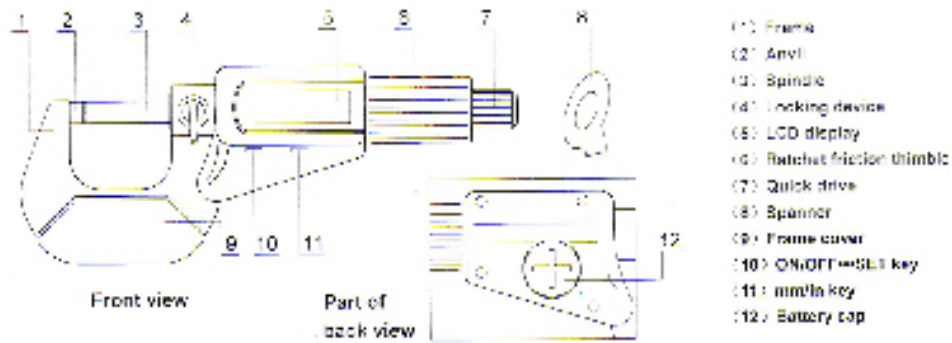
- Absolute Measuring Mode
- Metric/ Inch conversion
- Zero Setting
- Power On/Off
- Auto power off (5 mins.)
- Spindle Lock
- Ratchet Thimble
- Tungsten carbide Anvils
- Painted Frame with heat guard

General specifications

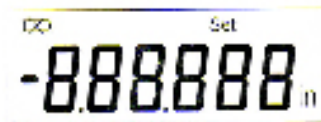
Measuring force:	5 – 10N
Operating temperature:	0 - 40°C
Storage temperature:	-20 - 60°C
Power:	1 x SR-44 battery 1.55v
Power consumption:	<=35µA

Parts View

1. Functional elements



2. LCD Display



- "Set" : Origin set.
- "in" : Inch measuring mode.
- : Battery voltage is low.

Operating Instructions

On/Off – Set Button has 2 functions
 Press and release to switch display on or off
 Press and hold for 2 seconds to zero display

Clean micrometer anvils

Turn on display (press and release On/Off-Set button)

Select Metric or Inch mode as required

Move micrometer anvils together using Ratchet Thimble to make final contact

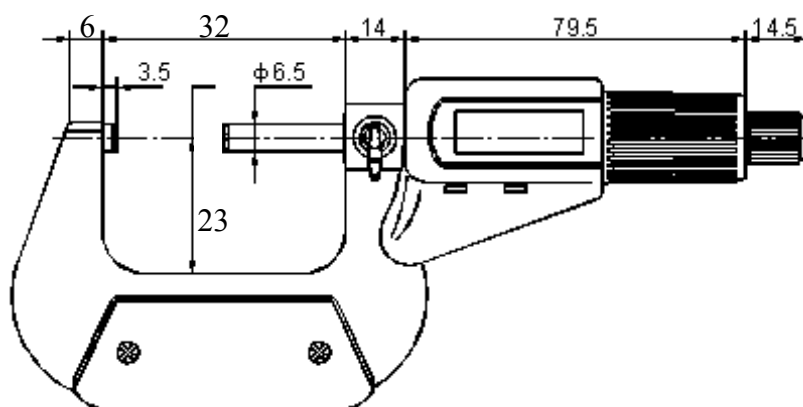
Set to zero at this position (press On/Off-Set button for 2 seconds)

Use Ratchet Thimble to check repeatability of zero setting

Micrometer is now ready to take measurements between 0 –25mm / 0 – 1”

If the micrometer powers down automatically, either turn the thimble or press and release On/Off button to turn back on. The micrometer will remember its last position and will not require resetting.

Dimensions



Operating Care

Clean measuring faces with soft dry 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 tool
 Do not press keys with a pointed instrument
 Keep instrument clean, using soft cotton swab, do not use organic solvents such as acetone or benzene

Fault Finding

Failure	Causes	Repairing
Display "E 1" on LCD	Data overflow	Move spindle reverse or press "ON/OFF SET" key to set origin data again.
Display "E 3" on LCD	1. Sensor overflow. 2. Something wrong with sensor.	1. Reset battery. 2. Return the micrometer for repair.
Measuring data is not correct	1. Dirty measuring surfaces. 2. Present data isn't correct.	1. Clean measuring surfaces. 2. Inspect present data and reset it.
No display on LCD	1. Battery is not properly sent. 2. Battery doesn't work.	1. Reset battery. 2. Replace battery.
1. Display isn't steady. 2. Display is confusing. 3. Display remains dead.	1. Battery voltage under 1.45v. 2. Battery voltage under 1.45v. 3. Battery is not properly set.	1. Replace battery. 2. Replace battery. 3. Reset battery.
Display blurring	Battery voltage under 1.45v.	Replace battery.