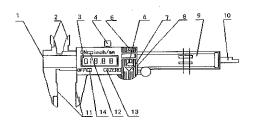
DIGITAL CALIPER OPERATING INSTRUCTION

- 1. Before using the Digital Caliper, clean the surface of the protective sticker with dry and clean cloth (or soaked with cleaning oil).
- Never apply voltage on any part of Digital Caliper of engrave with an electroprobe for fear of damaging the
- electronics.

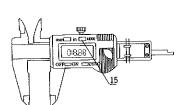
 3. Take out the battery or turn off its switch if Digital Caliper will stay idle for a long time

Resolution: 0.01mm Power:One 1.5V button cell Measuring Speed: ≤ 1.5m/s Working temperature:0~+40 °C Relative humidity: <80% Storage temperature: -10~+60 °C

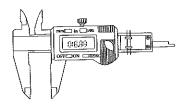
MANAGERALISM



A: Automatism turnoff Three-button Digital Caliper(I)



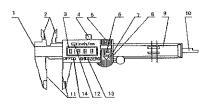
C: Four-button MODE Digital Caliper



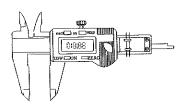
E: Four-button ABS Digital Caliper

Denember Steam Statemer

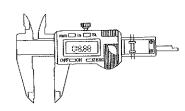
- Step Measuring Face
- Internal Measuring Faces
- LCD display screen
- Locking Screw
- Data Output
- One 1.5V button cell
- Battery Cover
- Slider
- 9. Protective Sticker
- 10.Depth Measuring
- 11.External Measuring Faces
- 12.lnch/mm Interchange(Inch/mm Interchange/On Button)
- 13.On/Zero Setting Button
- 14.Off Button
- 15.Function Button(MODE,HOLD,ABS,TOL)



B: Automatism turnoff Three-button Digital Caliper(II)



D: Four-button HOLD Digital Caliper



F: Four-button TOL Digital Caliper

WHITE REPORTS

Zero setting at any position, easy to take relative Measurements.

Metric/Inch system interchange at any position.

With data output interface, data can be input to a special printer or a computer via special cable for data processing and printing.

Interface working way:Synchronous serial.

Data:Binary code, 24bits. Each datum will be transferred twice. The cycle is 300ms (20ms in fast reading state). Transmitting time: 0.5ms.

Four wires(from left to right): Negative power(-), Clock

Four wires(from left to right): Negative possession pulse CP, Data D, positive Power(+).

Pulse range of data: "0"Level<0.2V, Level"1">1.3V.

Clock Pulse CP: 90K Hz, effective for high electrical level.

Special function: With data holding, fast display, fast bracking Maximum and Minimum value during measurements, conversion between relative and absolute measurement and tolerance zone setting.

1.Preparations:

(1) Clean the surface of the protective sticker(please refer to the above mentioned instructions) and all the measuring faces.

(2) Loosen the locking screw and move the slider to check whether the LCD and all the buttons work properly.

2. Measurement:

(1) Press On/Off button to switch on the power.

(2) Press mm/In button to select a desired unit system.

(3) Move the slider to make two outside measuring faces touch gently, then press Zero button to set zero and you can start measuring.

3. Operation of Special function button:

(1) MODE Button.

(a) DATA HOLDING:

When any of H,F,S or M isn't displayed (in the state of awaiting order), press Mode button and H will be displayed. It shows value has been held unchanged, namely HOLD function. If it's difficult to read the value on the spot, press this button to hold the value. and then take the instrument out to read. After taking the value, press this button three times."H"will disappear and HOLD function will be canceled. The state of awaiting order is restored. In other state, press MODE button one or more times and the state of awaiting order can be also restored.

(b) FAST DISPLAY

In the state of awaiting order, press MODE button to display H, press ZERO button to display F. The instrument is then in a state of fast display.

(c) TRACING MINIMUM VALUE

In the state of awaiting order, press MODE button twice to display S, then press ZERO button to display Fand S simultaneously. The instrument is then in a state of tracing minimum value.

(d) TRACING MAXIMUM VALUE

In the state of awaiting order, press MODE button three times to display M, then press ZERO button to display F and M. The instrument is then in a state of tracing maximum value.

(2)HOLD Button

Press HOLD button to display H. The displayed value will be held unchanged, namely the HOLD function. If it's difficult to read on the spot, press this button to hold measured value and then take the instrument out to read. After taking the value, press this button and then H disappears. The instrument then turns into the state of normal measurement.

(3) ABS Button----Button for relative zero point and absolute value interchange. The digital caliper will be in a state of absolute measurement when power is on. Press ABS button and then the digital caliper is in a state of relative measurement with the value being zero and "ING"being displayed, namely, setting relative zero point and being in a state of relative measurements. Press ABS button for a second time to be in a state of absolute measurement again, keeping the original zero position unchanged.

(4)TOL Button----Button for setting tolerance range

Make sure the correct origin has been set and no ngle mark appears, then press TOL button, a mark played; Move the slider to display its maximum value; press TÓL button again, wark is displayed; move the slider to display its minimum value; press TOL for the last time. The triangle mark disappears and tolerance range setting has been finished.

If the workpiece being measured is bigger than the maximum value, the Amark twinkles. It shows it's beyond the maximum value. If the workpiece being measured is smaller than the minimum value, the ▼ mark twinkles. It shows it's beyond the minimum value. If the workpiece is within the tolerance range, OK mark twinkles It shows the workpiece is up to standard.

EVENTERALISMENT MARKET SERVICE

Abnormal display (digits flashing or even no display)shows a flat battery. To replace the battery, just push the battery cover as the arrow directs and replace it with a new one. Please note the positive side of the battery must face out. If the battery bought from a market doesn't work satisfactorily (The power may wear down because of its long-term storage or the battery's automatic discharge etc.), please do not hesitate to contact the supplier.

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| Troubles | Possible causes | Solutions |
|--------------------|---------------------------------|---|
| Flashing digits | Low voltage | Replace the battery |
| No display | 1.Low voltage 2.Poor contact | Replace the battery Adjust and clean the battery seat |
| Fixed digits | Accidental troubel in circuit | Take out the battery and put it back after one minute. |

Measurements

