



FORK MEASURING COMPANY
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INSTRUCTION MANUAL FOR ABSOLUTE ORIGIN DIGITAL CALIPER (201-150)

- ✓ Absolute Digital Caliper uses the high accuracy ABSOLUTE memory technology. It keeps track of its origin position once set. Whenever the digital caliper turned on, the easy-view large LCD display the actual sensor position ready to start measuring. It's not necessary to reset zero. The measuring speed is unlimited. standard USB data output. High quality surface finished for extra smooth slider movement.
- ✓ To ensure operator safety, use this instrument in conformance with the specifications, functions and directions given in user's manual.

➤ **IMPORTANT**

1. Before using this caliper for the first time, wipe the rust preventive oil from the caliper with a soft cloth.
2. Never apply voltage (e. g. engraving with an electric engraver) on any part of the caliper for fear of damaging the circuit.
3. After use, take corrosion prevention measures. Corrosion will cause the trouble.

➤ **SPECIFICATIONS**

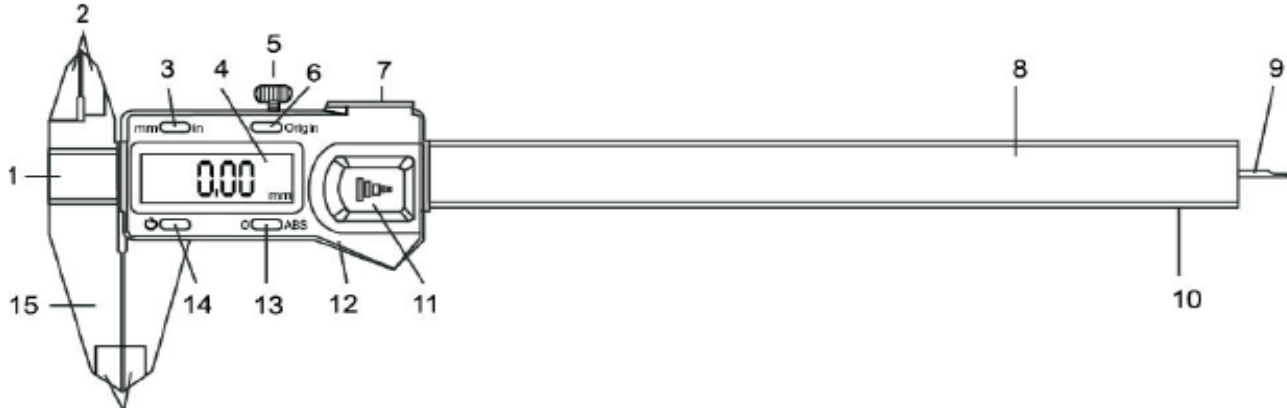
- ✓ Resolution : 0.0005" / 0.01mm
- ✓ Battery life : More than 2 years under normal operation
- ✓ Accuracy : 0.0001" / ± 0.02mm (range 6" / 150mm)
0.00015" / ±0.03mm (range 12" / 300mm)
- ✓ Measuring speed : Unlimited
- ✓ Protection rating : IP54 (Humidity and dust resistance)
- ✓ Power : 3V, CR2032 Lithium battery included, environment friendly
- ✓ Operating environment temperature : 0 ~+40°C, relative humidity<80%
- ✓ Storage temperature : -10 ~+60°C
- ✓ The absolute zero feature is available, using this feature you can set an "origin point" at any where within the measuring range, once an "origin point" is set the distance displaying between the origin and your position.

➤ **TECHNICAL SPECIFICATIONS**

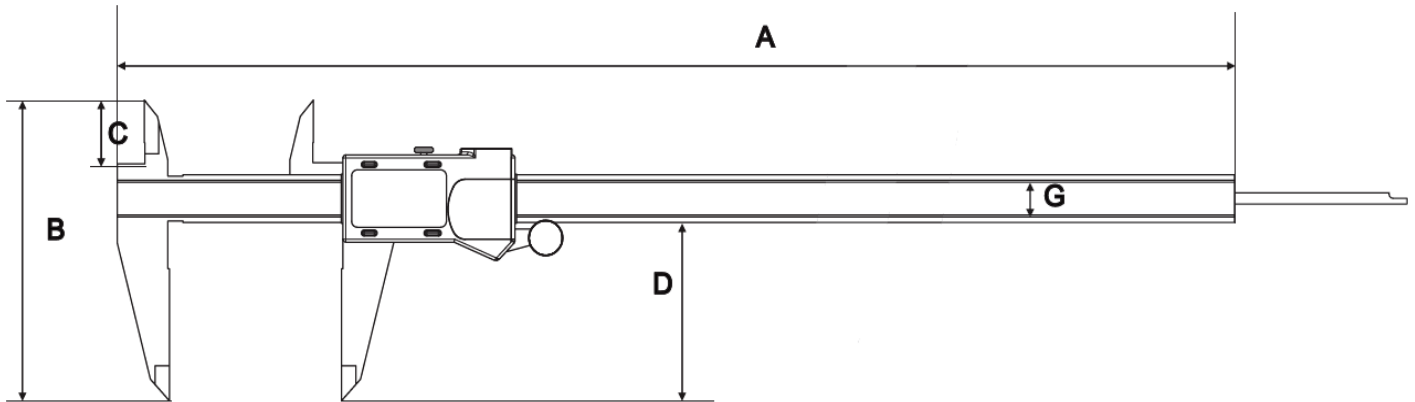
CODE	RANGE	READING
201-150	0-150mm / 0-6"	0.010mm/0.005"
201-200	0-200mm / 0-8"	0.010mm/0.005"
201-300	0-300mm / 0-12"	0.010mm/0.005"

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➤ NAME AND FUNCTION OF EACH PART



1	Step measuring faces	6	ORIGIN switch	11	Battery compartment lid
2	Inside measuring faces	7	Output connector lid	12	Display module
3	Inch/mm switch	8	Scale Sticker	13	ON/OFF switch
4	LCD display	9	Depth bar	14	Slider
5	Clamp screw	10	Main scale	15	Outside measuring faces



CODE	A	B	C	D	G
201-150	235	76	15	40	16
201-200	287	90	16	52	16
201-300	389	101	18	60	16

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➤ FUNCTION AND FEATURE

- ✓ Zero – setting at any position.
- ✓ mm / in switch at any position.
- ✓ Can keep tracing origin point (Absolute zero) set.
- ✓ No matter when it's switched on, LCD will always display current slider position for measurement any time.
- ✓ Adopt absolute origin point, no repeating adjusting zero.
- ✓ Low consumption and long battery life (2 years).
- ✓ No response speed limit and will not cause over speed error.
- ✓ Higher accuracy Accuracy according to DIN 862.
- ✓ Made from stainless steel, the jaws are finely ground and lapped.
- ✓ Unlimited response speed from memory.
- ✓ Large display with clear figures.
- ✓ Locking screw with Inside cross points.
- ✓ Quick start electronic quick lock function.
- ✓ Zero setting at any position & mm/inch conversion.
- ✓ Data output with USB cable so no need external power supply for output cable.
- ✓ 3V battery.

➤ OPERATION

1. Preparation


- ❖ Dry the surface of the scale sticker and clean all measuring surfaces.

Loosen the clamp screw and move the slider to check if LCD display and all keys work properly.

2. Measurement

- ❖ Press ON / OFF key to switch on power
- ❖ Press in / mm key to select desired unit system.
- ❖ Move the slider to make two outside measuring faces touch gently and then observe the display.
 - a) The display should be 0.00mm at normal mode and then it can take normal measurement (because this caliper has been ORIGIN SET before sending).
 - b) If the display are other digits , then press ORIGIN switch long and the display is 0.00mm, now ORIGIN set is finished and then take normal measurement.

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- ❖ Switch of absolute measurement and incremental measurement. The caliper is at absolute mode under normal use ; To press ZERO / ABS key 5 second at incremental mode , or short press ON /OFF key , INC indicator will disappear and return to absolute mode.
3. Battery installation and origin setting
- ❖ When”  ”(low voltage alarm) blinks or no display , It shows flat battery . Now a battery should be replaced. Removing an old battery by pushing backwards a battery cover and install a new battery to make sure the positive pole of the battery must face out.
 - ❖ Move the slider and close the jaws and hold down the ORIGIN switch for about 5 second the “0.0000” display appears, indicating origin (absolute zero) setting is complete.



CAUTION

Do not disassemble , short – circuit , charge , or heat th battery. Otherwise it will cause battery explosion and bring harm. If a battery is swallowed , immediatly consult a doctor. The outside and inside measuring jaws of this caliper have a sharp edge ,handle it with great care to avoid injury.

