

AUTO POWER-OFF *Digital Caliper*

OWNER'S MANUAL



03.04.0487ECC



**FOR YOUR SAFETY, and
CARE OF THIS TOOL**
Please read these instructions
carefully and retain them for future use.



Product Service

In accordance with the
European Directive
ROHS 2002/95/CE

D4 06 07 60503 001

SPECIFICATIONS AND FUNCTIONS

Your digital caliper was constructed with quality materials and workmanship and will Give you many years of trouble free use when cared for as described in the "Care & Maintenance" section.

Measuring Range:	Resolution:
0 - 150mm / 0 - 6"	0.01mm / 0.0005"
0 - 200mm / 0 - 8"	0.01mm / 0.0005"
0 - 300mm / 0 - 12"	0.01mm / 0.0005"

Measuring Range:	Accuracy:
0 - 200mm / 0 - 8"	0.03mm / 0.001"
200- 300mm / 8 - 12"	0.04mm / 0.0015"

Repeatability: 0.01 mm or 0.0005"

Maximum measuring speed: 1.5m/sec or 60"/sec.

Measuring system: Non-contact linear CAP measuring system

Display: LCD display, minus sign "-", character in 6.35mm/0.25" height for 5 digits, small digit "5" and "IN" sign for inch measuring unit.

Battery: One silver oxide battery 1.5V for one year of continuous use.
Low battery warning by flashing display.

Operating temperature: 0 °C ~ +40 °C

Storage temperature: -20 °C ~ +70 °C

Influence of humidity: Not important within 0 to 80% of relative humidity.

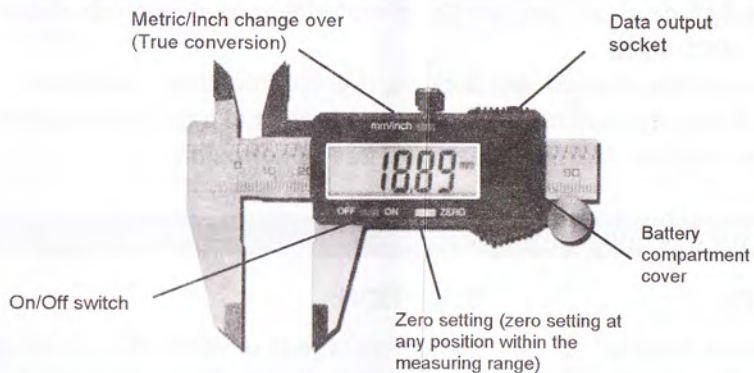
Data output: Serial output for interface with host computer or printer

Data processing interface (option): Functions:

Data storage, processing & printing, with software of quality control

Auto power off

CALIPER FEATURES



CALIPER APPLICATIONS

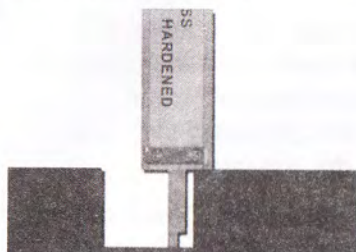
Measurements of external dimensions



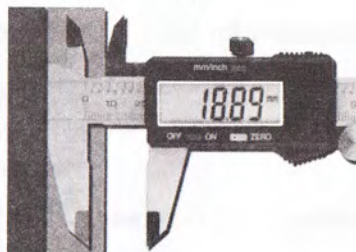
Measurements of internal dimensions



Measurements of depth



Measurements of steps



Differential method measurement (Application of zero setting)



CARE & MAINTENANCE

1. Keep body face clean; prevent liquid material from getting into slider to destroy electronics
2. Face should be cleaned with a clean, dry, lint-free cloth. Lubricate body with a few drops of clock oil. Acetone & alcohol must not be used.
3. Keep battery compartment clean and free of corrosion.

TROUBLESHOOTING

PROBLEM:

Every second 5 digits
Jump simultaneously

Display cannot count

Display shows 000.00
Or IN 00.000

Function buttons not active

Reading error for full
Length is $\geq 0.1\text{mm}$

No display on LCD screen

SOLUTION:

Battery voltage is under 1.45V. Remove cover and replace battery.

Faulty circuit. Remove battery, after 30 sec. put battery back into compartment.

Function buttons and sliders signal end may have shorted out. Remove the cover, put the button springs in place with rubber covers. Contact must be unobstructed.

Springs or rubber covers may be out of shape due to excessive pressing. See solution above for tips.

Sensor may have dirt or deposits in it
Remove cover and slider assembly.
Blow off sensor face with clean pressurized air ($\geq 51\text{kg/cm squared}$), clean with a dry, lint-free cloth.

- 1.) Poor battery contact. Check battery compartment, clean if necessary.
- 2.) Battery voltage is under 1.3V. Replace with correct battery.