


# Operating Instructions for LCD display unit

The LCD display unit can be connected with capacitive digital measuring instruments (such as calipers, dial indicator, height gauges, digital scale units, etc.) for data output and display. Functions as zero-setting at any position, mm/in conversion, data-holding and positive/negative setting are designed to meet the needs of variety of different measurement. Moreover, power could be supplied to the measuring tools through the signal cable. For convenience, there is a magnetic block at the back plate which can stick on machines. There is backlight to facilitate the use in dark environment.

## Technical Data:

1. Displayed Range: -9999.99-9999.99mm
2. Resolution: 0.01mm
3. Power Supply: 3V (2 AAA batteries), or 5V-9V DC power adapter, Interfaces such as: 
4. Signal cable length : 2 m

## Operating Instructions :

1. Press the "ON / OFF" key, the LCD display unit will show "-----" and enter the working mode. Then plug the signal cable into the corresponding jack of capacitive digital measuring instruments. It may take 2 seconds to display the data.
2. ON/OFF key: quick press ON/OFF key, Backlight open - Backlight off-Backlight open...; press in longer time (2-3 seconds), LCD display shutdown.
3. M key: quick press to enter data-holding mode, display shows "H", and quick press again, exit data-holding mode; press in longer time M key to use the positive / negative setting function, display shows "SET", press "X0" or "Y0" or "Z0" key to change the corresponding positive/negative sign for each axis, and press "M" key again to exit positive/negative settings.
4. X0 key: X coordinate data zero-setting at any position; positive/negative

conversion (only available in positive / negative settings).

5. Y0 key: Y coordinatedata zero-setting at any position; positive/negative conversion (only available in positive / negative settings).
6. Z0 key: Z coordinate data zero-setting at any position; positive/negative conversion (only available in positive / negative settings).
7. IN / MM key: inch/mm conversion.

### Notes:

1. When the LCD display unit shows "-----" for long time or intervals, please check whether the signal cable is well connected.
2. When using the battery as power supply, please don't often use backlight to prolong the working life of battery. If the data displayed unreadable or brightness of backlight getting dark, please replace the battery.
3. "IN / MM" key and "ON / OFF" key are invalid in data-holding or positive / negative setting mode.
4. Turn off the display when the LCD display is not in working status. When re-boot, the display will remain the data before, and each axis measurement standard, zero-setting, positive / negative status will be remained as last working statuses.

### DIAGRAMMATIC DRAWING OF THE LCD DISPLAY UNIT

