MASTER·TOOL
инструменты оптом

Инструкция на русском языке

Выносной дисплей DIGJY для уровней ML100 и ML200

Модель / артикул: **I-DT001, I-ML100, ML 100, I-ML200** · производитель DIGJY

Важно

Перед работой внимательно прочитайте инструкцию: функции, меры предосторожности и порядок работы.

1. Данные передаются на расстояние до 10 м на открытом пространстве.
2. Уровень откалиброван на заводе, но из-за смены условий рекомендуется калибровать его перед каждым использованием. Калибровку можно выполнить с выносного дисплея — см. разделы 4 и 5.
3. Перед работой очистите измеряемую поверхность и измерительную поверхность уровня — пыль и масло снижают точность и делают показания нестабильными.

1. Назначение

Универсальный выносной дисплей — переносной терминал для уровней ML100 и ML200.

2. Характеристики

Аккумулятор	300 мА·ч, встроенный
Работа	20 ч
Режим ожидания	180 дней
Разъём зарядки	Type-C
Полная зарядка	около 2 ч
Автовыключение	через 15 минут без движения
Рабочая температура	10…40 °C
Хранение и транспортировка	-20…70 °C
Влажность	≤ 85 %
ЭМС	класс II
Размеры	67 × 59,5 × 18,2 мм

3. Устройство и кнопки

На экране: значение по осям X/Y, значок заряда, значок Bluetooth, указатель направления выставления по четырём квадрантам. Если значок заряда пустой — зарядите дисплей.

1. **Кнопка ①** — короткое нажатие включает, долгое выключает. После установки батареи и включения единица по умолчанию — «°».
2. **Кнопка ② (M)** — короткое нажатие переключает единицы, долгое — вход в калибровку.
3. **Кнопка ③ (Bluetooth)** — долгое нажатие запускает сопряжение: значок Bluetooth мигает; поднесите дисплей к уровню. Когда значок горит постоянно — подключено.

4. Работа с уровнем ML100

Пузырёк оси X

Зелёное деление горит всегда и обозначает ноль. Жёлтые и красные деления показывают наклон: 0,01–0,02 мм/м — зелёное и первое жёлтое; 0,03–0,04 — второе жёлтое; 0,05–0,06 — третье; 0,07–0,08 — четвёртое; от 0,09 мм/м — все деления с одной стороны (зелёное, четыре жёлтых и красное). Сторона, где горят деления, — более высокая сторона уровня.

Пузырёк оси Y

Зелёное деление горит всегда. Только зелёное — отклонение по оси Y не больше 0,2°; больше 0,2° — зелёное и жёлтое с одной стороны (это более высокая сторона).

> Заявленная точность достигается, только когда по оси Y горит одно зелёное деление.

Bluetooth — значок появляется при успешном подключении. **Заряд** — состояние аккумулятора. **Значение X** — показания ML100 в реальном времени.

Калибровка ML100 с дисплея

1. Долго нажмите ②, пока на дисплее не появится «C1» (режим калибровки). Коротко нажмите ① — «C2---». Не двигайте ML100, пока на дисплее не появится «C3» (на ML100 — «-1-»).
2. Поверните ML100 горизонтально на 180° и коротко нажмите ① — «C4---» (на ML100 «-2-»). Через несколько секунд калибровка закончится и начнётся самопроверка: «CH1--», затем «CH2».
3. Снова поверните ML100 на 180° и коротко нажмите ① — «CH3---». Через несколько секунд самопроверка завершится: успех — «0000», неудача — «-----»; затем прибор сам переходит в режим измерения.

5. Работа с уровнем ML200

На экране: значения по осям X и Y, цифровые пузырьки, указатель выставления по четырём квадрантам (показывает состояние поверхности и направление регулировки), значки Bluetooth и заряда. Пузырьки работают так же, как для ML100.

Калибровка ML200 с дисплея

1. Долго нажмите ② — «C1» (калибровка). Коротко нажмите ① — «C2---». Не двигайте ML200, пока не появится «C3».
2. Поверните ML200 на 180° и коротко нажмите ① — «C4---». После калибровки — самопроверка: «CH1--», затем «CH2».
3. Снова поверните ML200 на 180° и коротко нажмите ① — «CH3---». Успех — «0000», неудача — «-----»; затем режим измерения.

6. Неисправности

Признак	Возможная причина	Что сделать
Нет изображения, нечёткие или неверные знаки	сбой питания	нажмите кнопку сброса
Цифры мигают	сбой экрана	нажмите кнопку сброса
Показания «скачут» или не меняются	сбой беспроводной связи	выключите уровень и дисплей и включите снова

Перевод инструкции производителя DIGJY выполнен Master-Tool, 2026. При расхождении действует оригинал (ниже). Рисунки — в оригинале производителя.

Оригинал инструкции производителя (англ.)





NOTES

Before using the Universal Display Terminal, please read this manual carefully, you could overview all the functions, precautions and using methods of this item.

①Measuring data can be transmitted up to 10 meters in the open field;
②The smart level have been calibrated before delivery from factory, but due to changes in the environment when using, in order to ensure the accuracy of the measurement, it is recommended that each time before the use the item could made a new calibration operation, can use the Universal Display Terminal to do calibration on the smart level, about more details, please refer to the instructions in the manual of the calibration operation.
③ Before using the item, please both clean the measured surface and the measuring surface of smart level carefully, to ensure good contact between the two surfaces, so as to avoid dust, grease and so on to affect the measurement accuracy, which will also lead to multifunctional display unstable.

1、Products introduction

The Universal Display Terminal can be used as a portable mobile terminal with the ML100 and ML200.

2、Product Parameters

Battery Capacity:300mAh

Continuous Working Time:20H

Standby Time:180 days

Charging Port:type-C

Full charge time:about 2h

Auto Power Off Function: Automatic shutdown after 15 minutes without any movement.

Battery: Inside rechargeable battery

Working Temperature :10°C ~ 40°C

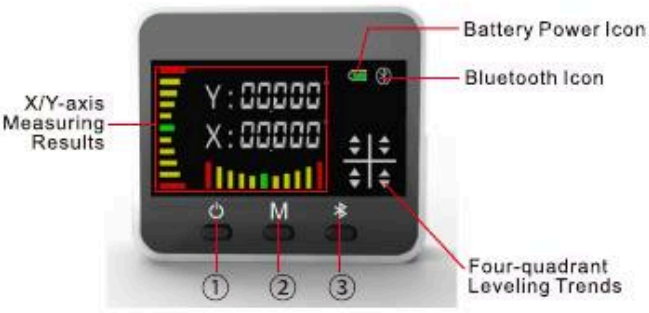
Transportation or Storage Temperature: -20°C~ 70°C

Working Humidity: ⩽85%

EMC: Class II

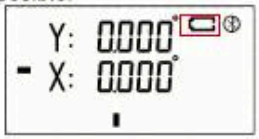
Dimension: 67mm*59.5mm*18.2mm

3、Structure and Button Functions



Battery Power Alert

The battery power icon is displayed on the upper right corner of the LCD display, when the battery power is showed as empty, please charge as quickly as posible.



Button functions:

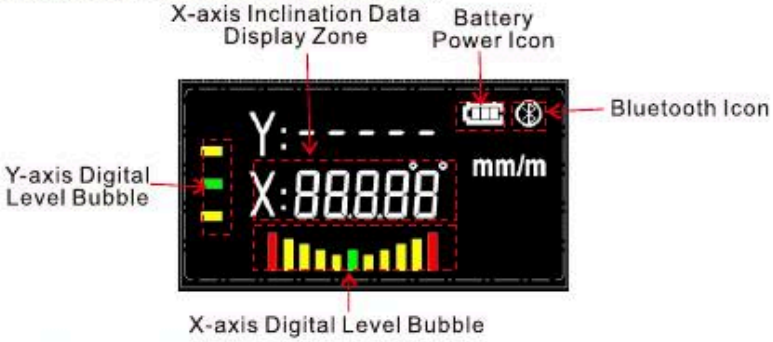
①Button:Short press the button to turn on when power is off, long press to turn off.
Note:After install battery or power-on, the default display unit is "° ".

②Button: Short press the button to switch units, long press to enter into calibration mode.

③Button:Long press the button for Bluetooth pairing and connecting. When press and hold this button, the Bluetooth icon in the upper right corner will blink, at this time, bring the product move close to the smart level that needs to be paired until the Bluetooth icon is always bright show on stablely, which means that the pairing and connecting is successful.

4、Connecting Smart Level ML100

LCD Display Functions and Icons:



X-axis Digital Level Bubble：
The green bars of the X-axis digital level bubble always shows on stablely, indicating the zero position. The yellow and red bars of the X-axis digital level bubble, indicates inclination angle state.
Digital level bubble shows as the follows:
When the measuring result is 0.01/0.02mm/m, shows the green center bar and the first yellow bar;
When the measuring result is 0.03/0.04mm/m shows the green center bar and the second yellow bar;
When the measuring result is 0.05/0.06mm/m shows the green center bar and the third yellow bar;
When the measuring result is 0.07/0.08mm/m, shows the green center bar and the fourth yellow bar.
When the measuring result is 0.09mm/m or above, shows all color bars on the one side.(shows the green center bar, the four yellow bars and the one red bar)
(One side of bubble bars bright shows on LCD display indicates that side of the level is higher)). (Which side displays the level bubble indicates that side of the level meter is higher)

Y-axis Digital Level Bubble:
The green center bar of the Y-axis digital level bubble shows stablely all the time. When only the green center bar bright shows, it means that the Y-axis measuring result deviation is not over than 0.2°. When the Y-axis measuring result deviation is greater than 0.2°,it will show the green center bar and the yellow bar on one side. (One side of yellow bar bright shows on the display indicates that side of the level is higher.)
Note: When only the green center bar bright shows stablely, the measuring accuracy announced could be reached.

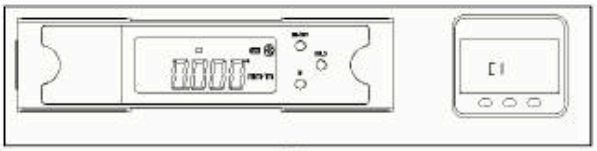
Bluetooth Icon:
When the bluetooth is connecting successfully, the Bluetooth Icon will show on the display.

Battery Power Icon:
It shows the real-time battery power status.

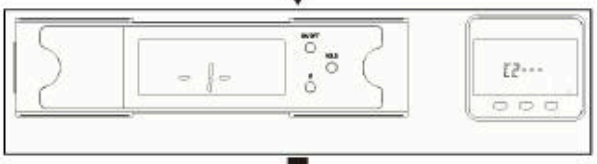
X-axis Inclination Angle Display Area:
It shows the real-time measuring results (X-axis) of Smart Level ML100 .

The using steps show as the follows:

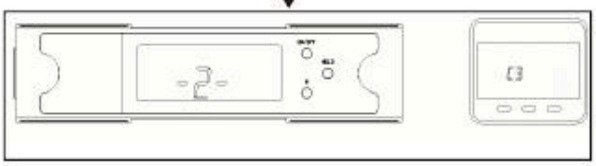
Step 1: Long press the ② button, When the "C1" shows on the LCD display , it enters into the calibration mode. Then short press the ① button, the "C2---" will show on the LCD display. At this time, keep the Smart Level ML100 stay until the LCD display shows " C3".



Long press the ② button, When the "C1" shows on the LCD display , it enters into the calibration mode.

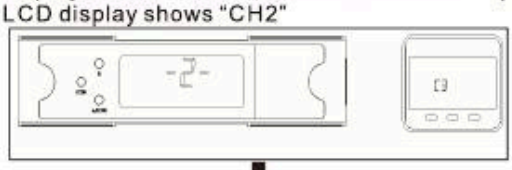


Short press the ① button, the "C2---" will show on the LCD display.("-1-" shows on the display of ML100)

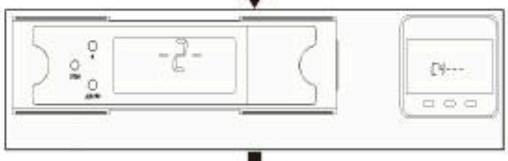


Keep the Smart Level ML100 stay until the LCD display shows " C3".("-2-" shows on the display of ML100)

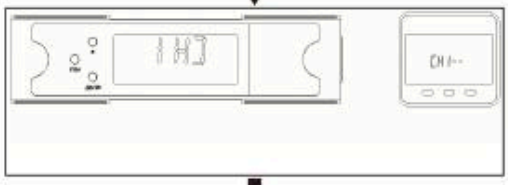
Step 2: Rotate the Smart Level ML100 as 180 degrees horizontally, short press ①button, when the "C4---" shows on the LCD display ,a few seconds later, when the calibrating is finised, it will enter into the self-inspection mode automatically, the LCD display shows "CH1--" , when the first self-inspection of the calibration is finished, the LCD display shows "CH2"



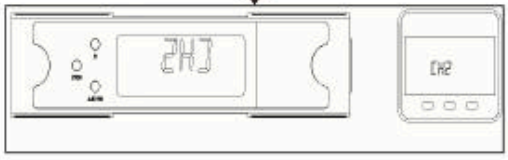
Rotate the Smart Level ML100 as 180 degrees horizontally.



Short press ①button, at this time the LCD display shows "C4---".
("-2-" shows on the display of ML100)



When the calibrating is finised, it will enter into the self-inspection mode automatically, the LCD display shows "CH1--".
("CH1--" shows on the display of ML100)



When the first self-inspection of the calibration is finished, the LCD display shows "CH2".
("CH2" shows on the display of ML100)

Step 3: Rotate the Smart Level ML100 as 180 degrees horizontally, short press ① button, and the "CH3---" shows on the LCD display.A few seconds later, the self-calibration is completed. When the calibration is successful, the LCD display shows "0000" ,and then it enters into measuring mode(calibrating successfully);If the calibration is failed, the LCD display shows "-----" ,and then it enters into measuring mode(calibrating failed);



Rotate the ML100 as 180 degrees horizontally.



Short press ①button, and the "CH3---" shows on the LCD display.



Enters into measuring mode automatically.

When the calibration is successful, the LCD display shows "0000" ,and then it enters into measuring mode (calibrating successfully);



Enters into measuring mode automatically.

When the calibration is failed, the LCD display shows "-----" ,and then it enters into measuring mode (calibrating failed);

5、Connecting Smart Level ML200

LCD Display Functions and Icons:



Description of Digital Level Bubble Display:

The green bars of digital level bubble always shows on stablely, indicating the zero position.
The yellow and red bars of the digital level bubble, indicates inclination angle state.
Digital level bubble shows as the follows:
When the measuring result is 0.01/0.02mm/m, shows the green center bar and the first yellow bar;
When the measuring result is 0.03/0.04mm/m shows the green center bar and the second yellow bar;
When the measuring result is 0.05/0.06mm/m shows the green center bar and the third yellow bar;
When the measuring result is 0.07/0.08mm/m, shows the green center bar and the fourth yellow bar.
When the measuring result is 0.09mm/m or above, shows all color bars on the one side.(shows the green center bar, the four yellow bars and the one red bar)
(One side of bubble bars bright shows on LCD display indicates that side of the level is higher)

Four-quadrant Leveling Trend Area:
It shows real-time level status of the surface measured and the trend of the adjustment correlation in four quadrants.

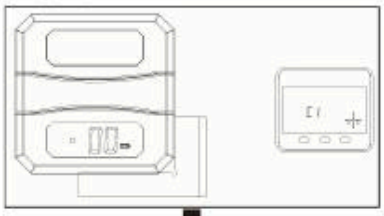
Bluetooth Icon:
When the bluetooth is connecting successfully, the Bluetooth Icon will show on the display.

Battery Power Icon:
It shows the real-time battery power status.

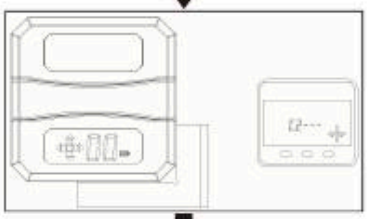
X/Y-axis Inclination Angle Display Area:
It shows the real-time measuring results (X-axis and Y-axis) of Smart Level ML200 .

The using steps show as the follows:

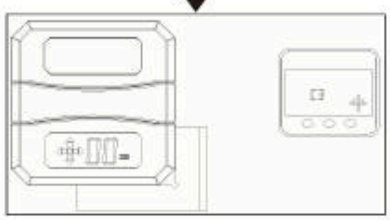
Step 1: Long press the ② button, When the "C1" shows on the LCD display , it enters into the calibration mode. Then short press the ① button, the "C2---" will show on the LCD display. At this time, keep the Smart Level ML200 stay until the LCD display shows " C3".



Long press the ② button, When the "C1" shows on the LCD display , it enters into the calibration mode.

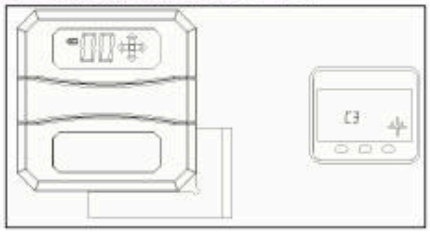


Short press the ① button, the "C2---" will show on the LCD display.

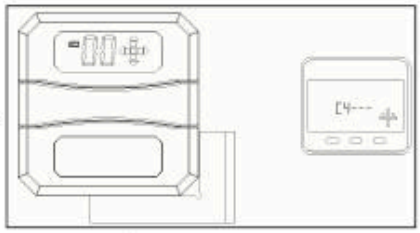


Keep the Smart Level ML200 stay until the LCD display shows " C3".

Step 2: Rotate the Smart Level ML200 as 180 degrees horizontally, short press ① button, when the "C4---" shows on the LCD display ,a few seconds later, when the calibrating is finised, it will enter into the self-inspection mode automatically, the LCD display shows "CH1--" , when the first self-inspection of the calibration finishes, the LCD display will show "CH2".



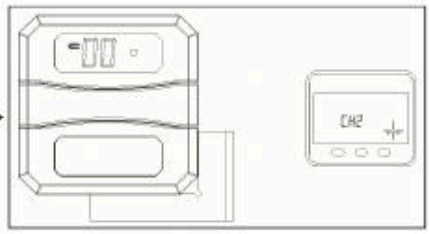
Rotate the Smart Level ML200 as 180 degrees horizontally.



Short press ① button, at this time the LCD display shows "C4---".

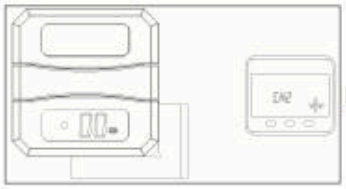


When the calibrating is finised, it will enter into the self-inspection mode automatically, the LCD display shows "CH1--".

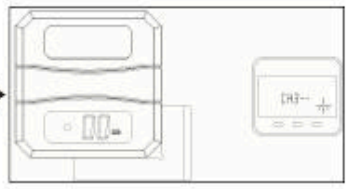


When the first self-inspection of the calibration finishes, the LCD display will show "CH2".

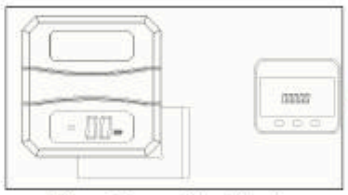
Step 3: Rotate the Smart Level ML200 as 180 degrees horizontally, short press ①button, and the "CH3---" shows on the LCD display.A few seconds later, the self-calibration is completed. When the calibration is successful, the LCD display shows "0000" ,and then it enters into measuring mode(calibrating successfully);If the calibration is failed, the LCD display shows "-----" ,and then it enters into measuring mode(calibrating failed).



Rotate the Smart Level ML200 as 180 degrees horizontally.



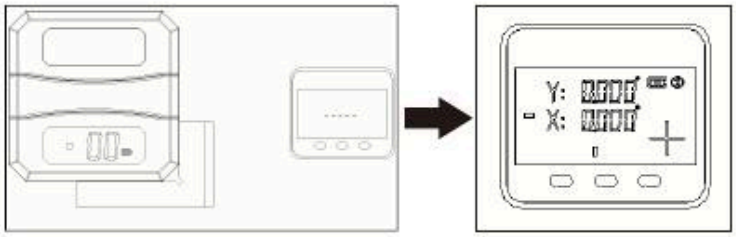
Short press ①button, and It shows the "CH3---" on the LCD display.



When the calibration is successful, the LCD display shows "0000".(calibrating successfully)



And then it enters into measuring mode automatically.



If the calibration is failed, the LCD display shows "-----". (calibrating failed)

And then it enters into measuring mode automatically.

6、Simple Troubleshooting Methods

Problematic phenomenon	Possible causes	Solutions
1. Display missing, blurred or garbled	Abnormal function of the battery	Press the reset button
2. Number shows flashing	Abnormal LCD display	Press the reset button
3. Number shows unstablely, or the display does not change	Abnormal wireless connection	Turn off both the leveling instrument and display terminal, and turn on again.

NA 1.0