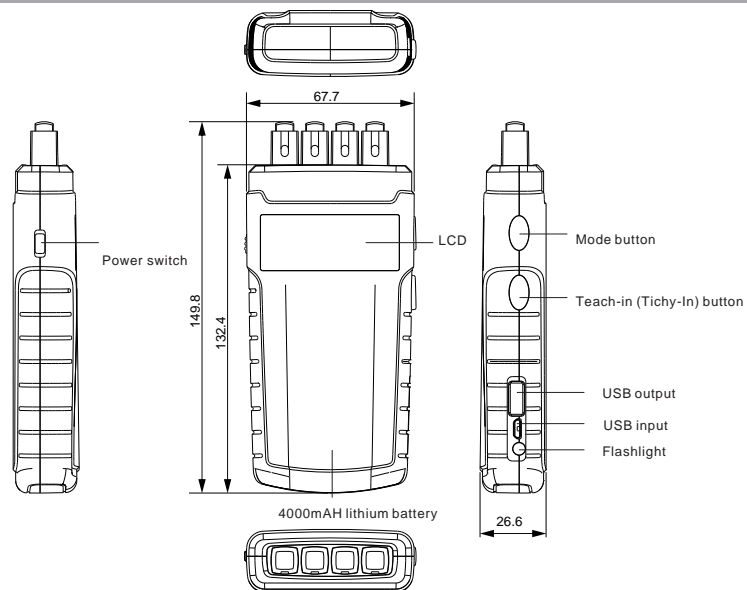


Analog test cassette



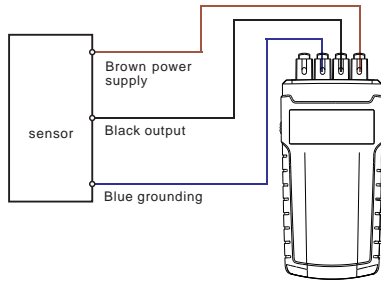
Model		DWD-1	
Basic Features			
Detection type	NPN/PNP	Automatic identification	
Battery capacity	4000mAH		
Charging time	9h		
Electrical Data			
Output voltage	19V~24V	Brown output	
	4.8V~5V	USB output	
Output current	≤160mA	Brown output	
	≤500mA	USB output	
Protection circuits	Power supply overcurrent protection		
Environmental Conditions			
Operating temperature	-10~45 °C		
Mechanical Data			
Other features	Sleep function mute function flashlight		
Size	67.7x26.6x149.8mm		
Weight	200g		
Environmental Conditions			
Measuring range	0~10V	Voltage mode	
	0~20mA	Current mode	
Measurement accuracy	≤0.04V (Full Range)	Voltage mode	
	≤0.04mA (Full Range)	Current mode	
Scan cycle	22ms	Digital mode	
	140ms	Current mode	
	140ms	Voltage mode	
Dimensions			



Analog test cassette

Wiring Diagram

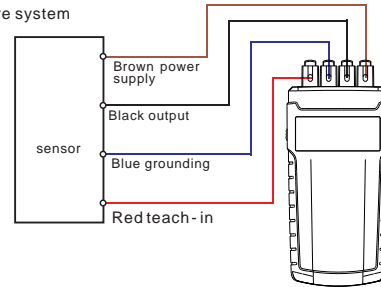
Three-wire system



Ordinary measurements

- 1 Connect the terminals of the corresponding function and turn on the power.
- 2 Select the corresponding measurement mode (voltage V, current I, digital D).
3. The measurement results are displayed on the screen.

Four-wire system



Teach-in mode

- 1 Connect the terminals of the corresponding function and turn on the power
- 2 Press the Teach-In button, the Teach-In area of the screen will display ON, then the red terminal will output a high level, release the Teach-In button, the Teach-In area of the screen will display OFF, and the red terminal will output a low level
- 3 Select the corresponding measurement mode (voltage V, current I, switch D)
- 4 The measurement results are displayed on the screen

Feature description

1 Mode switching

Short press the MODE button, the test box will switch between current (I), voltage (V), switch (D) three modes, the customer selects the correct mode and connection according to the sensor type, the test result will be displayed on the screen, and the test box will store the current test mode, and the next time it is turned on, it will resume the last state

2 Battery level display

When working normally, the battery level display will be displayed on the upper right, and its number of grids represents the remaining power, and when it flashes, it means that the battery is insufficient and needs to be charged in time. When charging, the number of flashing grids indicates the progress of charging, and when it is fully charged, the full grid symbol will flash.

3 Sleep mode

If the test box is not operated for more than 10 minutes, the test box will go to sleep, the 24V power supply and screen will be turned off, and pressing the Mode button or Teach-IN button will wake up the test box.

4 Powerbank mode

In the shutdown state, press the mode button and turn on the power button, the buzzer will sound twice, and the test box will not sleep.

5 Silent Mode

Press and hold Teach-In for more than 6s, the buzzer will sound once, at this time the test box has entered the silent mode, the same operation, the buzzer will sound twice to indicate that the silent mode has been exited, and the test box will store the state, and the next time it is turned on, it will remain in the last state.

6 Teach-In Features

Press the teach-in button, the Teach-In (red) terminal will output a high level voltage, the voltage logic is consistent with the voltage of the brown terminal, release the button, the Teach-In (red) terminal will output a low level voltage

7 Flashlight function

Press the mode button for more than 2s, the white LED light will light up, and the LED light can be turned off with the same operation.

8 Short Circuit Protection

When the output current of the test box is too high, the short-circuit protection will be activated, and the screen will display 'SCP' when the short-circuit protection is withdrawn, and the test box will automatically return to its normal state after the short-circuit condition is withdrawn.