

WEMI datasheet

January 2026

Preliminary



Features:

- Compact unit with 3 instruments in one enclosure (voltmeter, amperemeter and component tester).
- 5" color TFT 800x480 pixels displaying component tester/diode test/continuity simultaneously with voltmeter readings and amperemeter readings.
- Voltmeter and amperemeter displays are independent, both feature individual status bar, measured values and bargraphs, operating simultaneously.
- Voltmeter, amperemeter and component tester galvanically isolated from each other and from instrument ground. Make your test connections as you please.
- 3 sets of leads can be used simultaneously for 3 instruments without the need to swap lead jacks or switch operational modes.
- Separate instrument jacks enable choice of optimal leads for voltmeter, amperemeter and component tester without switching leads.
- Voltmeter and amperemeter can operate in single or dual display mode, showing DC and AC simultaneously.
- True rms AC, AC value calculated from the same waveform as DC.
- Min Max mode for displaying extremes.
- Hold mode
- Auto range and manual range settings separate for voltmeter and amperemeter.
- Waveform mode displaying waveform of the signal similar to oscilloscopes.
- Peek graph mode shows overview of waveform while displaying digital readings.
- Large digits for clarity.
- 16 keys pad with individual LED backlighting for each key. Key illumination reflects operational modes making status visible at a glance.
- Individual controls for instruments enable easy, one-click operation, without complicated menus or switches.
- Separate keypad for waveform mode.
- WiFi connectivity with web page control and readout for remote operation.
- Instrument is configured using menu system.
- Powered from USB-C connection.

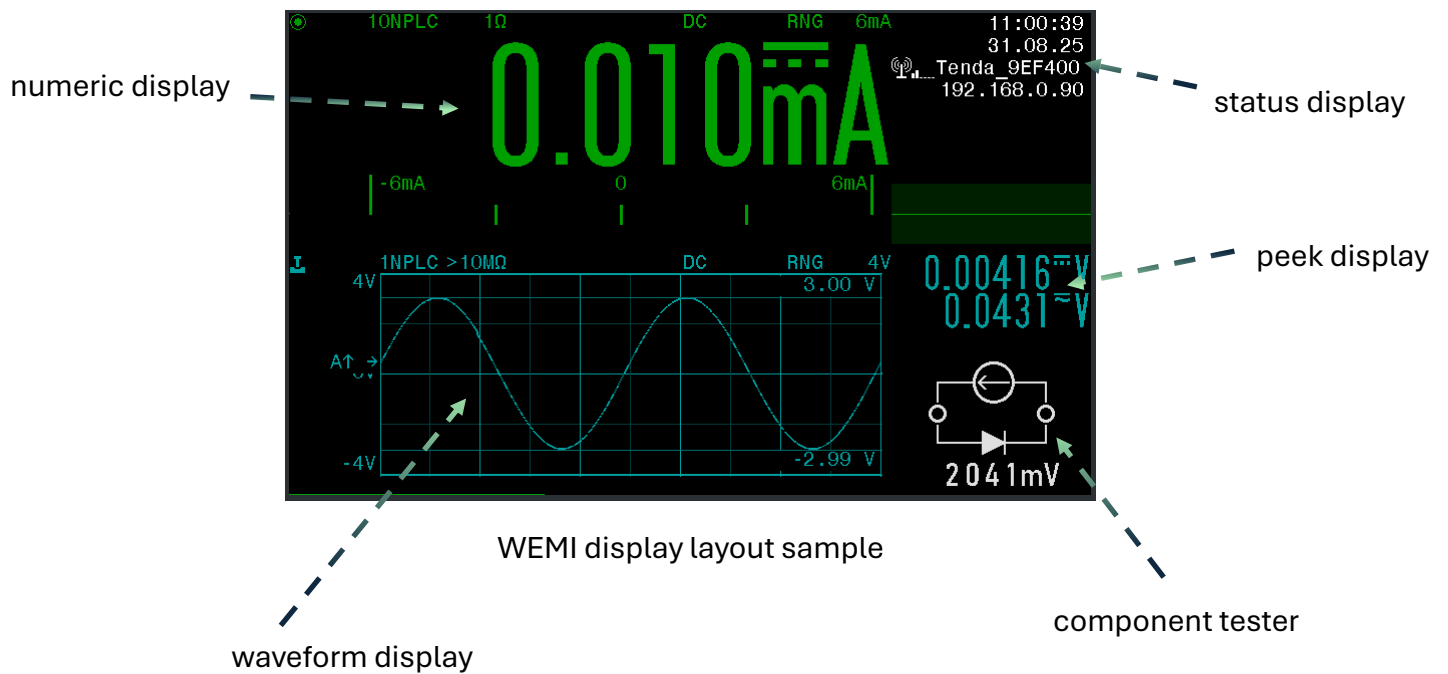
Preliminary specification, subject to change without notice:

Voltmeter		Minimum	Typical	Maximum
Range		4V		400V
Count	40000 units			
Input resistance	4V range >1GΩ or 10MΩ, 400V range 10MΩ			
Readout rate	10 reading/sec			
Accuracy	DC 4V range 0.1%, DC 400V range 1%, AC 3%			
Frequency range	10 kHz			

Amperemeter		Minimum	Typical	Maximum
Range		600μA		6A
Count	60000 units			
Readout rate	10 reading/sec			
Shunt resistances	6A and 600mA ranges – 10mΩ, 60mA and 6mA - 1Ω, 600μA range - 100Ω			
Accuracy	DC 0.5%, AC 3%			
Frequency range	10 kHz			

Component tester	Minimum	Typical	Maximum
Resistance	100Ω		1MΩ
Resistance accuracy	3%		
Capacitance	10nF		100uF
Capacitance accuracy	5%		
Inductance	1mH		1H
Inductance accuracy	5%		
Test frequencies	Adjustable for manual mode up to 10 kHz.		
Diode test current	Adjustable - 1mA, 2mA, 5mA, 10mA, 20mA, 50mA		
Diode test voltage			2V
Continuity tester current	Adjustable - 1mA, 2mA, 5mA, 10mA, 20mA, 50mA		

General specification	
Power input	USB Type-C
Power consumption	<15W, USB-C PD charger required
Size HxWxD approx.	140mmx245mmx160mm
Weight	< 1000g



WEMI in gray color box