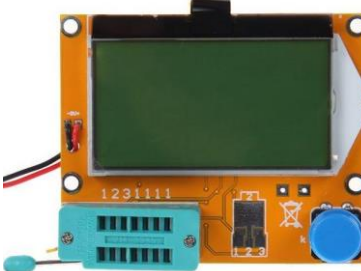

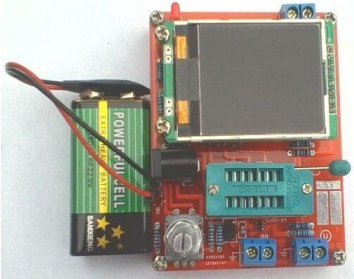




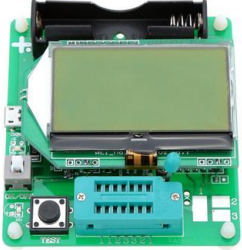









### Comparative table for clone tester

Clone model	CPU(form factor), clock	Display, controller (resolution)	5V reg., reference 2.5V	Test option (preinstalled firmware)	Protection will measure ports	Firmware, opportunity update	Power supply	Possible price
<p style="text-align: center;"><b>LCR-T4</b></p> 	<p>ATMega328 (TQFP) 8Mhz</p>	<p>LCD SPI ST7565 (128x64)</p>	<p>78L05, Yes,TL431</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;5V), resistors, capacitors, chokes, inductors</p>	<p>No</p>	<p>Chinese firmware (2.07-2.68), possible update to firmware 1.13k or 1.35m</p>	<p>+9V</p>	<p>≥6-10\$</p>
<p style="text-align: center;"><b>Fish-8840</b></p> 	<p>ATMega328 (TQFP) 8Mhz</p>	<p>LCD SPI ST7565 (128x64)</p>	<p>78L05, No</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;5V), resistors, capacitors, chokes, inductors</p>	<p>No</p>	<p>Chinese firmware 2.1, possible update to firmware 1.13k or 1.35m</p>	<p>+9V</p>	<p>≥15-20\$</p>
<p style="text-align: center;"><b>M328Kit+TFT(AY-AT)</b></p> 	<p>ATMega328 (DIP) 8Mhz</p>	<p>LCD TFT SPI ST7735 (160x128)</p>	<p>7550, Yes,TL431</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;5V), resistors, capacitors, chokes, inductors, voltmeter, frequency generator, frequency meter, encoder</p>	<p>Yes, SRV05-4 diode assembly, suppressor (TVS) 6V8A</p>	<p>Firmware 1.12k mod.*, possible update to firmware 1.13k or 1.35m</p>	<p>+9V, connector ext. 9-12V</p>	<p>≥10-15\$</p>

<p><b>GM328A</b></p> 	<p>ATMega328 (DIP) 8Mhz</p>	<p>LCD TFT SPI ST7735 (160x128)</p>	<p>7550, Yes,TL431</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;5V), resistors, capacitors, chokes, inductors voltmeter, frequency generator, frequency meter, encoder</p>	<p>Yes, SRV05-4 diode assembly, suppressor (TVS) 6V8A</p>	<p>Firmware 1.12k mod.*, possible update to firmware 1.13k or 1.35m</p>	<p>+9V, connector ext. 9-12V</p>	<p>≥10-15\$</p>
<p><b>M328Kit</b></p> 	<p>ATMega328 (DIP) 8Mhz</p>	<p>LCD SPI ST7565 (128x64)</p>	<p>7550, Yes,TL431</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;5V), resistors, capacitors, chokes, inductors voltmeter, frequency generator, frequency meter, encoder</p>	<p>No</p>	<p>Firmware 1.12k mod.*, possible update to firmware 1.13k or 1.35m</p>	<p>+9V</p>	<p>≥10-15\$</p>
<p><b>GM328A+</b></p> 	<p>ATMega328 (DIP) 8Mhz</p>	<p>LCD SPI ST7565 (128x64)</p>	<p>7550, Yes,TL431</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;5V), resistors, capacitors, chokes, inductors</p>	<p>Yes, SRV05-4 diode assembly, suppressor (TVS) 6V8A</p>	<p>Firmware 1.11k mod.*, possible update to firmware 1.13k or 1.35m</p>	<p>+9V</p>	<p>≥10-15\$</p>
<p><b>MG328</b></p> 	<p>ATMega328 (TQFP) 8Mhz</p>	<p>LCD SPI ST7565 (128x64)</p>	<p>7150 Yes,TL431</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;5V), resistors, capacitors, chokes, inductors</p>	<p>No</p>	<p>Firmware 1.11k mod. , possible update to firmware 1.13k or 1.35m</p>	<p>+3.7V, +5V(USB)</p>	<p>≥10-15\$</p>

<p><b>WEI M8-1</b></p> 	<p>ATMega328 (TQFP) 8Mhz</p>	<p>LCD SPI ST7565 (128x64)</p>	<p>7150 Yes,TL431</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;5V), resistors, capacitors, chokes, inductors</p>	<p>No</p>	<p>Firmware 1.11k mod. , possible update to firmware 1.13k or 1.35m</p>	<p>+3.7V, +5V(USB)</p>	<p>≥10-15\$</p>
<p><b>BSIDE ESR02(DTU-1701B)</b></p> 	<p>ATMega328 (TQFP) 8Mhz</p>	<p>LCD SPI ST7565 (128x64)</p>	<p>7150 Yes,TL431</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;5V), resistors, capacitors, chokes, inductors</p>	<p>No</p>	<p>Firmware 1.11k mod. , possible update to firmware 1.13k or 1.35m</p>	<p>+9V, connector ext. 9-12V</p>	<p>≥25-30\$</p>
<p><b>Fish-8840(BOX)</b></p> 	<p>ATMega328 (TQFP) 8Mhz</p>	<p>LCD SPI ST7565 (128x64)</p>	<p>78L05, No</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;5V), resistors, capacitors, chokes, inductors</p>	<p>No</p>	<p>Chinese firmware 2.1, possible update to firmware 1.13k or 1.35m</p>	<p>+9V</p>	<p>≥10-15\$</p>
<p><b>Fish-8840TFT</b></p> 	<p>ATMega328 (TQFP) 8Mhz</p>	<p>LCD TFT SPI ST7735S (160x128)</p>	<p>78L05, Yes,TL431</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;5V), resistors, capacitors, chokes, inductors</p>	<p>No</p>	<p>Chinese firmware 2.4*, possible update to firmware 1.13k or 1.35m</p>	<p>+9V</p>	<p>≥15-20\$</p>

<p><b>LCR-TC1</b></p> 	<p>ATMega324 (TQFP) 16Mhz</p>	<p>LCD TFT SPI ST7735S (160x128)</p>	<p>78L05, Yes,TL431</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;35V), voltmeter, resistors, capacitors, chokes, inductors, IR receiver</p>	<p>Yes, SRV05-4 diode assembly, suppressor (TVS) 6V8A</p>	<p>Chinese firmware 2.12*, possible update to firmware 1.13k or 1.35m</p>	<p>+3.7V, USB charging</p>	<p>≥15-20\$</p>
<p><b>LCR-T7</b></p> 	<p>ATMega324 (TQFP) 16Mhz</p>	<p>LCD TFT SPI ST7735S (160x128)</p>	<p>78L05, Yes,TL431</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;35V), voltmeter, resistors, capacitors, chokes, inductors, IR receiver</p>	<p>Yes, SRV05-4 diode assembly, suppressor (TVS) 6V8A</p>	<p>Chinese firmware 2.12*, possible update to firmware 1.13k or 1.35m **</p>	<p>+3.7V, USB charging</p>	<p>≥15-20\$</p>
<p><b>MK-328</b></p> 	<p>ATMega328 (TQFP) 8Mhz</p>	<p>LCD SPI ST7565 (128x64)</p>	<p>1117 Yes,TL431</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;5V), resistors, capacitors, chokes, inductors</p>	<p>Yes, SRV05-4 diode assembly, suppressor (TVS) 6V8A</p>	<p>Firmware 1.11k mod. , possible update to firmware 1.13k or 1.35m</p>	<p>+9V</p>	<p>≥18-25\$</p>
<p><b>Hiland M644</b></p> 	<p>ATMega644 (TQFP) 8Mhz</p>	<p>LCD SPI ST7565 (128x64)</p>	<p>1117 Yes,TL431</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;35V), resistors, capacitors, chokes, inductors, frequency generator, frequency meter, quartz and ceramik resonators, voltmeter, encoder</p>	<p>No</p>	<p>Firmware 1.12k mod.*, possible update to firmware 1.13k or 1.35m</p>	<p>+9V</p>	<p>≥18-25\$</p>

\* Note: the Chinese version is locked to read!

\*\* Note: for a clone with a display connected to a 6-pin J3 connector.