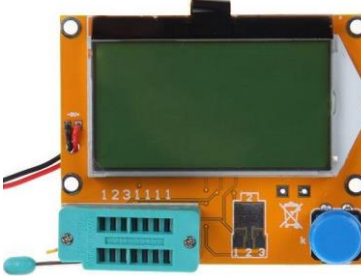

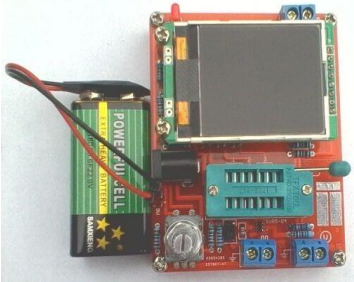














### Comparative table for clone tester

Clone model	CPU, form factor, clock	Display, controller, resolution	5V reg, ref.2.5V, supply controller	Test option (preinstalled firmware)	Protection will measure ports	Firmware, opportunity update	Power supply	Possible price
<b>LCR-T4</b> 	ATMega328, TQFP, 8Mhz	LCD 2.6" SPI, ST7565, 128x64	78L05, TL431	Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (<5V), resistors, capacitors, chokes, inductors	No	Chinese firmware (2.07-2.68), possible update to firmware 1.13k or 1.40m	+9V	≥6-10\$
<b>Fish-8840</b> 	ATMega328, TQFP, 8Mhz	LCD 2.6" SPI, ST7565, 128x64	78L05, No	Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (<5V), resistors, capacitors, chokes, inductors	No	Chinese firmware 2.1, possible update to firmware 1.13k or 1.40m	+9V	≥15-20\$
<b>M328Kit+TFT(AY-AT)</b> 	ATMega328, DIP, 8Mhz	LCD TFT 1.8" SPI, ST7735, 160x128	7550, TL431	Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (<5V), resistors, capacitors, chokes, inductors voltmeter, frequency generator, frequency meter, encoder	Yes, SRV05-4 diode assembly, suppressor (TVS) 6V8A	Firmware 1.12k mod.*, possible update to firmware 1.13k or 1.40m	+9V, connector ext. 9-12V	≥10-15\$

<p><b>GM328A</b></p> 	<p>ATMega328, DIP, 8Mhz</p>	<p>LCD TFT 1.8" SPI, ST7735, 160x128</p>	<p>7550, 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 1.40m</p>	<p>+9V, connector ext. 9-12V</p>	<p>≥10-15\$</p>
<p><b>M328Kit</b></p> 	<p>ATMega328, DIP, 8Mhz</p>	<p>LCD 2.0" SPI, ST7565, 128x64</p>	<p>7550, 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 1.40m</p>	<p>+9V</p>	<p>≥10-15\$</p>
<p><b>GM328A+</b></p> 	<p>ATMega328, DIP, 8Mhz</p>	<p>LCD 2.6" SPI , ST7565, 128x64</p>	<p>7550, 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 1.40m</p>	<p>+9V</p>	<p>≥10-15\$</p>
<p><b>MG328</b></p> 	<p>ATMega328, TQFP, 8Mhz</p>	<p>LCD 1.8" SPI, ST7565, 128x64</p>	<p>7150, 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 1.40m</p>	<p>+3.7V, +5V(USB)</p>	<p>≥10-15\$</p>

<b>WEI M8-1</b> 	ATMega328, TQFP, 8Mhz	LCD 2.6" SPI, ST7565, 128x64	7150, TL431	Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (<5V), resistors, capacitors, chokes, inductors	No	Firmware 1.11k mod. , possible update to firmware 1.13k or 1.40m	+3.7V, +5V(USB)	≥10-15\$
<b>BSIDE ESR02(DTU-1701B)</b> 	ATMega328, TQFP, 8Mhz	LCD 2.6" SPI , ST7565, 128x64	7150, TL431	Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (<5V), resistors, capacitors, chokes, inductors	No	Firmware 1.11k mod. , possible update to firmware 1.13k or 1.40m	+9V, connector ext. 9-12V	≥25-30\$
<b>Fish-8840(BOX)</b> 	ATMega328, TQFP, 8Mhz	LCD 2.2" SPI, ST7565, 128x64	78L05, No	Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (<5V), resistors, capacitors, chokes, inductors	No	Chinese firmware 2.1, possible update to firmware 1.13k or 1.40m	+9V	≥10-15\$
<b>Fish-8840TFT</b> 	ATMega328, TQFP, 8Mhz	LCD TFT 1.8" SPI, ST7735S, 160x128	78L05, TL431	Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (<5V), resistors, capacitors, chokes, inductors	No	Chinese firmware 2.4* , possible update to firmware 1.13k or 1.40m	+9V	≥15-20\$

<p><b>LCR-TC1</b></p> 	<p>ATMega324, TQFP, possible ATMega644, 16Mhz</p>	<p>LCD TFT 1.8" SPI, ST7735S, 160x128</p>	<p>78L05, TL431, STC15L104, possible STC15F104, STC15W104</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 1.40m</p>	<p>+3.7V, USB charging</p>	<p>≥15-20\$</p>
<p><b>LCR-T7</b></p> 	<p>ATMega324, (TQFP), possible ATMega644, 16Mhz</p>	<p>LCD TFT 1.8" SPI, ST7735S, 160x128</p>	<p>78L05, TL431, STC15L104, possible STC15F104, STC15W104</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 1.40m **</p>	<p>+3.7V, USB charging</p>	<p>≥15-20\$</p>
<p><b>MK-328</b></p> 	<p>ATMega328, TQFP, 8Mhz</p>	<p>LCD 2.6" SPI , ST7565, 128x64</p>	<p>1117, 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 1.40m</p>	<p>+9V</p>	<p>≥18-25\$</p>
<p><b>Hiland M644</b></p> 	<p>ATMega644, TQFP, 8Mhz</p>	<p>LCD 2.0" SPI, ST7565, 128x64</p>	<p>1117, 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 1.40m</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.