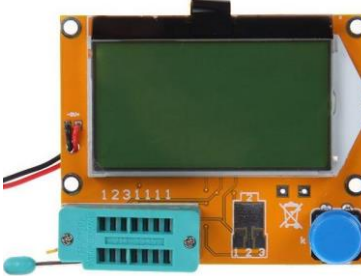

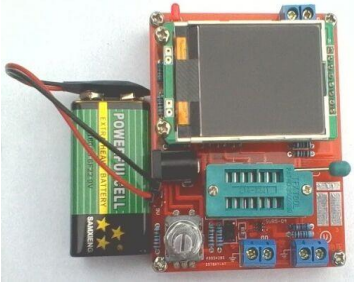
















### Comparative table for clone ttester

Clone model	CPU, form factor, clock	Display, controller, resolution	5V reg, ref.2.5V, power control	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 14pin, ST7565, 128x64	78L05, TL431, divider port PC5	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 1.42m	+9V	≥6-10\$
<b>Fish-8840</b> 	ATMega328, TQFP, 8Mhz	LCD 2.6" SPI 6pin, ST7565, 128x64	78L05, No, divider port PC5	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 1.42m	+9V	≥15-20\$
<b>M328Kit+TFT(AY-AT)</b> 	ATMega328, DIP, 8Mhz	LCD TFT 1.8" SPI 8pin, ST7735, 160x128	7550, TL431, divider port PC5	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 1.42m	+9V, connector ext. 9-12V	≥10-15\$

<b>GM328A</b> 	ATMega328, DIP, 8Mhz	LCD TFT 1.8" SPI 8pin, ST7735, 160x128	7550, TL431, divider port PC5	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 1.42m	+9V, connector ext. 9-12V	≥10-15\$
<b>M328Kit</b> 	ATMega328, DIP, 8Mhz	LCD 2.4" SPI 8pin, ST7565, 128x64	7550, TL431, divider port PC5	Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (<5V), resistors, capacitors, chokes, inductors voltmeter, frequency generator, frequency meter, encoder	No	Firmware 1.12k mod.*, possible update to firmware 1.13k or 1.42m	+9V	≥10-15\$
<b>GM328A+</b> 	ATMega328, DIP, 8Mhz	LCD 2.6" SPI 16pin, ST7565, 128x64	7550, TL431, divider port PC5	Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (<5V), resistors, capacitors, chokes, inductors	Yes, SRV05-4 diode assembly, suppressor (TVS) 6V8A	Firmware 1.11k mod.*, possible update to firmware 1.13k or 1.42m	+9V	≥10-15\$
<b>MG328</b> 	ATMega328, TQFP, 8Mhz	LCD 2.4" SPI 8pin, ST7565, 128x64	7150, TL431, divider port PC5	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 1.42m	+3.7V, +5V(USB)	≥10-15\$

<b>WEI M8-1</b> 	ATMega328, TQFP, 8Mhz	LCD 2.6" SPI 8pin, ST7565, 128x64	7150, TL431, divider port PC5	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 1.42m	+3.7V, +5V(USB)	≥10-15\$
<b>BSIDE ESR02(DTU-1701B)</b> 	ATMega328, TQFP, 8Mhz	LCD 2.6" SPI 10pin, ST7565, 128x64	7150, TL431, divider port PC5	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 1.42m	+9V, connector ext. 9-12V	≥25-30\$
<b>Fish-8840(BOX)</b> 	ATMega328, TQFP, 8Mhz	LCD 2.6" SPI 12pin, ST7565, 128x64	78L05, No, divider port PC5	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 1.42m	+9V	≥10-15\$
<b>Fish-8840TFT</b> 	ATMega328, TQFP, 8Mhz	LCD TFT 1.8" SPI 14pin, ST7735S, 160x128	78L05, TL431, divider port PC5	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 1.42m	+9V	≥15-20\$

<p><b>LCR-TC1</b></p> 	<p>ATMega324, TQFP, possible ATMega644, 16Mhz</p>	<p>LCD TFT 1.8" SPI 6pin, ST7735S, 160x128</p>	<p>78L05, TL431, port PA5, 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 1.41m**</p>	<p>+3.7V, USB charging</p>	<p>≥15-20\$</p>
<p><b>LCR-T7(1)</b></p> 	<p>ATMega324, (TQFP), possible ATMega644, 16Mhz</p>	<p>LCD TFT 1.8" SPI 14pin, unknown, 128x128</p>	<p>78L05, TL431, port PA5, 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*</p>	<p>+3.7V, USB charging</p>	<p>≥15-20\$</p>
<p><b>LCR-T7(2)</b></p> 	<p>ATMega324, (TQFP), possible ATMega644, 16Mhz</p>	<p>LCD TFT 1.8" SPI 6pin, ST7735S, 160x128</p>	<p>78L05, TL431, port PA5, 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 1.41m**</p>	<p>+3.7V, USB charging</p>	<p>≥15-20\$</p>
<p><b>LCR-T7-H</b></p> 	<p>ATMega324, (TQFP), possible ATMega644, 16Mhz</p>	<p>LCD TFT 1.8" SPI 14pin, unknown, 160x128</p>	<p>78L05, TL431, port PA5, STC15L104, possible STC15F104, STC15W104</p>	<p>Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (&lt;20V), voltmeter, resistors, capacitors, chokes, inductors, IR receiver</p>	<p>Yes, SRV05-4 diode assembly, suppressor (TVS) 6V8A</p>	<p>Chinese firmware 2.12*</p>	<p>+3.7V, USB charging</p>	<p>≥15-20\$</p>

<b>MK-328</b> 	ATmega328, TQFP, 8Mhz	LCD 2.6" SPI, ST7565, 128x64	1117, TL431, divider port PC5	Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (<5V), resistors, capacitors, chokes, inductors	Yes, SRV05-4 diode assembly, suppressor (TVS) 6V8A	Firmware 1.11k mod. , possible update to firmware 1.13k or 1.42m	+9V	≥18-25\$
<b>Hiland M644</b> 	ATmega644, TQFP, 8Mhz	LCD 2.4" SPI 8pin, ST7565, 128x64	1117, TL431, divider port PA5	Transistors, diodes, diode assemblies, LEDs, thyristors, triacs, zener diodes (<35V), resistors, capacitors, chokes, inductors, frequency generator, frequency meter, quartz and ceramik resonators, voltmeter, encoder	No	Firmware 1.12k mod.*, possible update to firmware 1.13k or 1.42m	+9V	≥18-25\$

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

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