



MT994 Multifunction Process Calibrator



Features

- Active current output: range: 0~24mA
- Maximum load: 750Ω
- Passive current output: range: 0-24 mA
- External power supply up to 30V
- Voltage output: range: 0-24 V
- Maximum current 30mA
- 24V voltage output
- Drive current: 24mA
- In addition, there is XMT Passive Current Signal, plus RTD simulation with Pt100, cu50 thermal resistance and 10 kinds of thermocouple
- Current input measurement: range: 0-24 mA Input impedance:100Ω
- Voltage input measurement: range: 0-30 V Input impedance: 2MΩ
- Real-time Curve: The changing trend of input and output signals can be displayed by drawing a curve, and the sampling time of the curve can be set.
- It can also automatically adjust the display curve within the range of maximum and minimum values in a certain period
- PWM output (frequency): Range: 0-9999Hz
- The high-definition 240*320 TFT colour LCD screen ensures readings are easily viewed
- Built-in lithium rechargeable 3000mAh battery power supply with standby time of around 26 hours; the using time varies, based on the usage (It can be 8-10 hours with 20mA continuous output)

The MT994 is a versatile Process calibrator and signal generator designed for seamless sourcing and measurement of various process parameters, catering to the testing needs of diverse process devices. With two independent channels, it enables simultaneous measurement, sourcing, and viewing of volts, mV, mA, RTDs, thermocouples, frequency, and resistance for comprehensive testing of sensors and transmitters. The device is tailored for debugging industrial PLCs, process instrumentation, and electric or pneumatic valves. Its user-friendly interface ensures ease of use, featuring extended standby time and high precision. Experience enhanced functionality with customizable output, allowing users to set upper and lower limits. The PWM output permits independent adjustment of frequency and duty cycle, with a real-time curve for monitoring voltage and current changes. The adjustable button backlight and high-definition TFT colour LCD screen enhance user convenience day or night. Designed for portability, the MT994 is miniature, fitting easily into a bag or car for on-the-go usage. Elevate your testing capabilities with this compact and powerful Process calibrator and signal generator.

Function	Range	Precision	Res
Active Output	0 to 24mA	$\pm(0.02\%+0.003)$	0.001mA
Current Output	0 to 24V	$\pm(0.02\%+0.003)$	0.001V
Voltage Output	0 to 24mA	$\pm(0.02\%+0.003)$	0.001mA
24V Loop	0 to 24mA	$\pm(0.1\%+0.005)$	0.01mA
Frequency Output	0 to 9999Hz	$\pm(2\%)$	5 digits
Milli-voltage	-10 to 100mV	$\pm(0.03\%+0.03)$	0.01mA
Thermocouple (TC-S)	0 to 1760°C	$\pm(0.2\%+1)$	1°C
Thermocouple (TC-B)	0 to 1810°C	$\pm(0.5\%+1)$	1°C
Thermocouple (TC-E)	0 to 990°C	$\pm(0.2\%+1)$	1°C
Thermocouple (TC-K)	0 to 1320°C	$\pm(0.2\%+1)$	1°C
Thermocouple (TC-R)	0 to 1760°C	$\pm(0.3\%+1)$	1°C
Thermocouple (TC-J)	0 to 1190°C	$\pm(0.3\%+1)$	1°C
Thermocouple (TC-T)	0 to 390°C	$\pm(0.2\%+1)$	1°C
Thermocouple (TC-N)	0 to 1290°C	$\pm(0.2\%+1)$	1°C
Thermocouple (WRe3/25)	0 to 2320°C	$\pm(0.2\%+1)$	1°C
Thermocouple (WRe5/26)	0 to 2320°C	$\pm(0.2\%+1)$	1°C
Resistance	0 to 390Ω	$\pm(0.2\%+1)$	0.1Ω
PT100	-200 to 650°C	$\pm(0.5\%+1)$	0.1°C
CU50	-20 to 150°C	$\pm(0.5\%+1)$	0.1°C



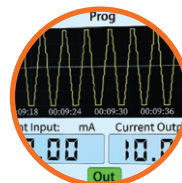
Compact size ensures meter can be carried in ones Pocket



2.4 Inch TFT LCD with Backlight



Colour Coded Test Lead Input Terminals



Real Time Curve Display

MT994

Multifunction Process Calibrator

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