

Datasheet

ET1080 series

ET1080 series hand-held bridge sets 2.8 inch TFT display, flexible and convenient button operation and full speed USB communication in one; large capacity lithium battery can ensure long-term work. Functionally, it has not only comprehensive measurement parameters, but also deviation measurement and screening. The output frequency can be continuously adjusted. In terms of performance, the basic accuracy is up to 0.2%.

Main features

- ▣ The highest measuring frequency is 100kHz, and the stepping frequency is continuously adjustable at 1Hz;
- ▣ Supporting DC Resistance and Electrolytic Capacitance Measurement;
- ▣ Internal bias voltage output (10mV-500mV);
- ▣ Automatic Recognition of Component Measurement;
- ▣ Support screening and deviation measurement;
- ▣ 2.8-inch TFT display, 4-bit semi-display;
- ▣ USB communication interface;
- ▣ Large capacity lithium battery power supply;
- ▣ Support SCPI protocol;
- ▣ Provide system settings, can configure language, buzzer, screen brightness and so on according to their own requirements;
- ▣ The basic measurement accuracy is 0.2%;
- ▣ Adjustable measuring speed, manual and automatic range;
- ▣ Short circuit correction with open circuit;
- ▣ Provide multiple test ports.



Main technical indicators

Model	ET1080A	ET1080B	ET1080C	ET1080D	ET1080E
Test frequency	100Hz,120Hz, 1KHz,10KHz	100Hz,20Hz,1KHz,10 KHz, 40kHz,100KHz	100Hz,120Hz,1KHz,10 KHz	100Hz , 120Hz , 1KHz , 10KHz , 40kHz , 100KHz	100Hz-100KHz Continuously adjustable 1Hz stepping
Basic accuracy	0.30%	0.30%	0.20%	0.20%	0.20%
Display	2.8 inch TFT LCD				
Display digit	Main parameters: 5 bits, secondary parameters: 5 bits				
Measurement parameters	Main parameters: L/C/R/Z, sub-parameters: X/D/Q/theta/ESR				
Electrolytic capacitor mode	×	√	√	√	√
DCR mode	×	×	√	√	√
measuring range	L : 0.000μH ~ 2000H , C : 0.000pF ~ 20.000mF , R : 0.0001Ω ~ 200.00MΩ				
Measurement display speed	1/s (slow), 2/s (medium), 4/s (fast)				
Internal offset	×	0-500 mV adjustable, 1 mV step.			
Test level	0.6Vrms	0.1Vrms, 0.3Vrms, 0.6Vrms			0-0.7V adjustable
Calibration function	Open circuit calibration and short circuit calibration				
Screening function	The limit range of screening can be set to 1%-50%, of which the fixed points are 1%, 5%, 10%, 20%.				
Deviation measurement	Used to compare the percentage of deviation between the component and the nominal value set and display				
Other	Adjust backlight brightness, automatic shutdown time can be set, Chinese and English optional, USB Device communication				

Standard accessories

- ▣ Mini-USB data Wires;
- ▣ power adapter;
- ▣ short circuit chip;
- ▣ red&black rubber plug;
- ▣ large capacity lithium battery
- ▣ Kelvin test clip(Except ET1080A, 1080B)

Optional accessories

- ▣ Kelvin test clip(ET1080A, 1080B)
- ▣ SMD testing clamp