



AT826, 825, 824 series handheld Digital LCR electric bridge adopts high performance 32-bit ARM microprocessor. True-color TFT liquid crystal display, keypad and touch screen double control. Using Li- battery supply power. USB communication. Switch in both English and Chinese. AT826, 825 handheld LCR digital meter have the highest configuration. With the highest frequency of 100kHz, constant 100Ω source internal resistance, 0.6Vrms measurement voltage level, and 0.2% accuracy, make AT826, 825 have the excellent performance of both desktop instrument and portability of handheld.

SPECIFICATIONS			
	AT826	AT825	AT824
<b>Main Parameters</b>	L,C,R,Z		
<b>Sub Parameters</b>	D, Q, $\theta_r$ , $\theta_d$ , X,ESR		
<b>Accuracy</b>	0.2%		
<b>Frequency</b>	100Hz,120Hz,1kHz,10kHz,10 0kHz	100Hz,120Hz,1kHz, 10kHz	100Hz,120Hz,1kHz
<b>Display Range</b>	L: 0.01 $\mu$ H-9999H D: 0.0001 – 9.999 $\theta$ (deg):-179.99°-179.99°	C: 0.01pF - 9999 $\mu$ F Q: 0.0001 – 999.9 $\theta$ (rad) :-3.1416 – 3.1416	R,Z: 0.0001 $\Omega$ -99.99M $\Omega$ $\Delta$ %: -9999% - 9999%
<b>Speed</b>	4 times/second , 1.5 times/second		
<b>Source Resistance</b>	100 $\Omega$		
<b>Signal Level</b>	0.6Vrms		
<b>Range</b>	Automatic or Manual		
<b>Display Max</b>	Principle Parameter: 49999 Sub Parameter : 49999		
<b>Adjustment</b>	Open/short scan frequency correction for each range		
<b>Comparator</b>	1 sets, compare main parameters		
<b>Trigger</b>	Internal		
<b>Interface</b>	Build-in Mini-USB interface ( virtual interface ) Charging interface		
<b>Others</b>	2.8 inch true-color 16M color TFT-LCD display ; touch screen ( AT825 ) ;USB communication; compatible SCPI instruction set ; switch in both English and Chinese ; adjustable back light; automatic power off		
GENERAL FEATURES			
<b>Power Supply (ATL909)</b>	Input : 100-240V~50/60Hz 0.35A Output : 9V 1A DC		
<b>Battery Parameter</b>	8.4V , Li , 1400mAh rechargeable battery		
<b>Working Time</b>	Highlight 30% $\geq$ 14 hours , Highlight 50% $\geq$ 12 hours , Highlight 100% $\geq$ 9 hours		
<b>Size</b>	Outside ( mm ) : 90(Width)x190(Height)x31(Depth) 400g		
ORDERING INFORMATION			
<b>Accessories</b>	ATL501C four-terminal Kelvin test clip ATL909 DC adapter ATL805 Li-battery • ATL105Mini-USB Communication cable • ATS826 data acquisition software		