





	885, 886	
TEST SIGNAL		
Frequency	100Hz, 120Hz, 1kHz, 10kHz, 100KHz(model 886 only)	
Frequency Accuracy	±0.1%	
Level	1Vrms, 0.25Vrms, 0.05Vrms, 1Vdc (for DCR)	
level Accuracy	±5%	
Output Impedance	100Ω. +5%	

Measurement Range

í	Frequency	/ Max.	Min.	Best Resolution
		20ΜΩ	0.1Ω	0.001
	2 100Hz	$20M\Omega$	0.1Ω	0.001
4	720Hz	$20M\Omega$	0.1Ω	0.001
	100Hz 120Hz 1KHz 10KHz	$20M\Omega$	0.1Ω	0.001
	10KHz	$20M\Omega$	0.1Ω	0.001
	100KHz	$20M\Omega$	0.1Ω	0.001
Ó	Frequency 100Hz 120Hz 1KHz 10KHz	Max.	Min.	Best Resolution
	100Hz	15.92m <i>f</i>	79.57p <i>f</i>	0.001
	120Hz	13.26m <i>f</i>	66.31p <i>f</i>	0.001
	g 1KHz	1592µ <i>f</i>	7.957p <i>f</i>	0.001
	10KHz	159.2µ <i>f</i>	0.795p <i>f</i>	0.001
	100KHz	15.92µ <i>f</i>	0.795p <i>f</i>	0.001
-	Frequency 100Hz 120Hz 1KHz 10KHz	/ Max.	Min.	Best Resolution
	g 100Hz	9999H	159.2µH	0.001
	120Hz	9999H	132.6µH	0.001
-	1KHz	3183H	15.92µH	0.001
-	₫ 10KHz	318.3H	1.592µH	0.001
-	100KHz	31.83H	0.159µH	0.001

GENERAL	
Operating Temperature	32° to 104°F (0° to 40°C)
Storage Temperature	-4° to 158°F (-20° to 70°C)
Relative Humidity	up to 85%
Battery Type	Ni-MH or Alkaline (2 x AA size)
Battery Charge	Constant current 150mA approximately
Battery Operating Life	2.5 hours typical
AC Operation	110VAC/60Hz
Low Power Warning	under 2.2V
Dimensions (LxWxH)	6.9 x 3.4 x 1.9" (175 x 86 x 48mm)
Weight	1.1 lbs (470g)
1	

20ΜΩ	10MΩ	1MΩ	100kΩ	10Ω	1Ω
$\sim 10 M\Omega$	~1MΩ	~100kΩ	~10Ω	~1Ω	$\sim 0.1\Omega$
2% ±1	1% ±1				
		0.5% ±1	$0.2\% \pm 1$	0.5% ±1	1% ±1
$5\% \pm 1$	2%±1				
NA	5%±1	2%±1	$0.4\% \pm 1$	2%±1	5%±1
	~10MΩ 2% ±1 5%±1	~ 10 Μ Ω ~ 1 Μ Ω ~ 1 Μ Ω ~ 1 $\sim $	$\sim 10MΩ$ $\sim 1MΩ$ $\sim 100kΩ$ $2\% \pm 1$ $1\% \pm 1$ $0.5\% \pm 1$ $5\% \pm 1$ $2\% \pm 1$	$\sim 10 M \Omega$ $\sim 1 M \Omega$ $\sim 100 k \Omega$ $\sim 10 \Omega$ $2\% \pm 1$ $1\% \pm 1$ $0.5\% \pm 1$ $0.2\% \pm 1$ $\sim 10 \Omega$	$\sim 10 M \Omega$ $\sim 1 M \Omega$ $\sim 100 k \Omega$ $\sim 10 \Omega$ $\sim 1 \Omega$

Two Year Warranty

١		3301103
	SUPPLIED:	Instruction Manual, SMD
		Rechargeable Battery AC

Probe, y, AC Adapter OPTIONAL: TL-885B 4-wire test leads TL-08C 4-wire Kelvin test leads I C-29B Carrying Case

885

SMD Probe (included)

Models 885 and 886

Synthesized In-Circuit LCR/ESR Meter

The Model 885 and 886 Synthesized In-Circuit LCR/ESR Meters are the first handheld meter of this type on the market, with a wide range of test frequencies up to 10 kHz for model 885 and 100KHz for model 886 many measurement parameters including Z, L, C, DCR, ESR, D, Q, and Ø as well. The 885 and 886 are designed for both component evaluation on the production line and fundamental impedance testing for bench-top applications. With a built-in direct test fixture, you can test the lead components very easily. The optional 4-wire test clip can give a convenient connection to larger components and assemblies with the accuracy of 4-wire testing. The LCR meters offer fast, reliable, and versatile testing at low cost, making the 885 and 886 the most advanced handheld LCR meters available on the market today.

- Measurement parameters: Z, L, C, DCR, ESR, D, Q, and Ø
- Test conditions: 100Hz, 120Hz, 1kHz, 10kHz, 100KHz(model 886 only), IVrms, 0.25Vrms, 0.05Vrms
- 0.5% basic accuracy
- Dual LCD display
- **SMD Surface Mount Tweezer Probe included**
- Very quick response, user friendly
- Fully auto/manual selection
- **DC** resistance measurement
- Rechargeable battery / AC powered
- Infrared RS-232 interface capability

Software Features:

- Go-No Go testing (component sorting)
- Remote bin (component grading)
- **■** Remote operation