

## DUAL DISPLAY L/C/R/ METER


The L/C/R **MZ-505C** handheld meter displays values up to 19,999 counts using 4 1/2 digits and it is controlled by a special microprocessor, which measures inductance, capacitance and resistance. It is easy to use and it allows measuring in parallel and serial mode. It takes direct and accurate measures of coils, capacitors and resistors at different frequencies. It allows selecting measure ranges in manual or automatic way.

The front panel keys provide maximum comfort when selecting functions and features like read-memory; maximum value log, minimum and average; relative measures; tolerance for components classification; frequency and L/C/R selection.

Results of measures are displayed in a (dual) backlit screen and they can be transferred to a PC by means of an opto-coupled standard RS-232 interface.

A tilted support makes easy to view and work with it. A rubber holster, made to protect the instrument from unexpected shocks, covers the MZ-505C giving it mechanical protection. To operate its required a 9 V battery and also it can work with a 12 V power adaptor.



Specifications	MZ-505C	Temperature Coefficient	0.15 x (specified accuracy) / °C (0-18 °C and 28-40 °C)
<b>Parameter Measurement</b>	Ls + (Q,D,Rs), LP + (Q,D,Rp) Cs + (Q,D,Rs), CP+ (Q,D,Rp)	<b>Low battery indication</b>	
<b>Display</b>		<b>Consumption</b>	Aprox. 40 mA for operation 0.08 mA After auto power-off
L/C/R:	4 1/2 digits, maximum reading of 19999 counts	<b>Power requirements</b>	9 V battery (NEDA 1604, IEC 6F22 006P) DC external power adaptor: 12 V min to 15 V max DC (load 50 mA min.) (optional)
Q/D/R:	4 digits maximum reading of 9999 counts (Auto range)	<b>Input protection</b>	Fuse
<b>Range Measurement</b>		<b>Standard accessories</b>	Test alligator clips (pair) RS232 package + software 9 V Battery (NEDA 1604, IEC 6F22 006P) User's manual
C (120 Hz):	1 pF~10 mF (basic accuracy 0.8%)	<b>Optional accessories</b>	SMD tweezers PP-009 DC adapter (230 V AC) AL-013
C (1 KHz):	0.1 pF~1000 µF (basic accuracy 0.8%)	<b>Mechanical features</b>	
L (120 Hz):	1 µH~10000 H (basic accuracy 0.7%)	<b>Dimensions</b>	W. 91 x H. 192 x D. 52,5 mm
L (1 kHz):	0.1 µH~1000 H (basic accuracy 0.7%)	<b>Weight</b>	365 g (included accessories)
R :	1 mΩ~10 MΩ (basic accuracy 0.5%)		
<b>Resolution</b>			
R	Up to 0.001 Ω		
L	Up to 0.1µH		
C	Up to 0.1 pF		
<b>Range Mode</b>	Auto and manual.		
<b>Measuring Terminals</b>	2 terminals with Sockets		
<b>Test frequency</b>	1 KHz, 120 Hz ± 0.1 %		
<b>Tolerance Mode</b>	1%, 5%, 10%, 20%		
<b>Measuring rate</b>	1 measure / second, nominal		
<b>Response Time</b>	Aprox. 1 second at manual range		
<b>Auto power-off</b>	5 minutes approx. without operation		