Dane techniczne miernika RLC Escort ELC-3133A

Dokładności wyrażone w: ±(% wartości wskazywanej + liczba najmniej znaczących cyfr) w temperaturze 23°C ±5°C i wilgotności względnej <75%.

■ Pomiar rezystancji (tryb równoległy)

Test Frequency: 100 / 120 Hz

Range	Maximum Display	Accuracy	Specified Note
		100 Hz/ 120Hz	
10MΩ	9.999MΩ	0.6%+5	After open cal.
2000KΩ	1999.9KΩ	0.3%+3	After open cal.
200KΩ	199.99KΩ	0.3%+2	-
20KΩ	19.999KΩ	0.3%+2	-
2000Ω	1999.9Ω	0.3%+2	-
200Ω	199.99Ω	0.5%+3	After short cal.
20Ω	19.999Ω	0.6%+40	After short cal.

Test Frequency: 1K / 10K Hz

Range	Maximum Display	Accuracy		Specified Note
		@1K Hz	@10KHz	
10 MΩ	9.999MΩ	0.6%+5	2.5%+10 *N2	After open cal.
2000 KΩ	1999.9KΩ	0.3%+5	0.8%+10 *N2	After open cal.
200 KΩ	199.99KΩ	0.3%+2	0.6%+5	-
20 KΩ	19.999KΩ	0.3%+2	0.6%+5	-
2000 Ω	1999.9 Ω	0.3%+2	0.6%+5	-
200 Ω	199.99 Ω	0.5%+3	1.2%+25	After short cal.
20 Ω	19.999 Ω	0.6%+40	1.2%+200	After short cal.

■ Pomiar pojemności (tryb równoległy)

Test Frequency: 100 / 120 Hz

Range	Maximum Display	Accuracy		Spec. Note
		Capacitance	DF	
10mF	19.99mF *N4	2.5%+5 (DF<0.1)	5%+100/Cx+5 (DF<0.1)	After short cal.
1000• F	1999.9• F *N5	0.6%+5 (DF<0.1)	1%+100/Cx+5 (DF<0.1)	After short cal.
200• F	199.99• F	0.4%+3 DF<0.5	0.4%+100/Cx+5 (DF<0.5)	-
20• F	19.999• F	0.4%+3 (DF<0.5)	0.4%+100/Cx+5 (DF<0.5)	-
2000nF	1999.9nF	0.4%+3 (DF<0.5)	0.4%+100/Cx+5 (DF<0.5)	-
200nF	199.99nF	0.4%+5 (DF<0.5)	0.4%+100/Cx+5 (DF<0.5)	After open cal.
20nF	19.999nF	0.6%+5 (DF<0.1)	1%+100/Cx+5 (DF<0.1)	After open cal.

Test Frequency: 1 KHz

Range	Maximum Display	Accuracy		Spec. Note
		Capacitance	DF	
1mF	1.999mF *N4	2.5%+5 (DF<0.1)	5%+100/Cx+5 (DF<0.1)	After short cal.
200• F	199.99• F	0.6%+5 (DF<0.1)	1.2%+100/Cx+5 (DF<0.1)	After short cal.
20• F	19.999• F	0.4%+3 (DF<0.5)	0.4%+100/Cx+5 (DF<0.5)	-
2000nF	1999.9nF	0.4%+3 (DF<0.5)	0.4%+100/Cx+5 (DF<0.5)	-
200nF	199.99nF	0.4%+3 (DF<0.5)	0.4%+100/Cx+5 (DF<0.5)	-
20nF	19.999nF	0.4%+5 (DF<0.5)	0.4%+100/Cx+5 (DF<0.5)	After open cal.
2000pF	1999.9pF	0.6%+5 (DF<0.1)	1.0%+100/Cx+5 (DF<0.1)	After open cal.

Test Frequency: 10 KHz

Range	Maximum Display	Accuracy		Spec. Note
		Capacitance	DF	
50• F	50.0• F	2.0%+10 (DF<0.1)	8%+100/Cx+10 (DF<0.1)	After short cal.
20• F	19.999• F	2.0%+6 (DF<0.2)	3.0+100/Cx+8 (DF<0.2)	After short cal.
2000nF	1999.9nF	1.0%+5 (DF<0.5)	1.0%+100/Cx+6 (DF<0.5)	-
200nF	199.99nF	1.0%+5 (DF<0.5)	1.0%+100/Cx+6 (DF<0.5)	-
20nF	19.999nF	1.0%+5 (DF<0.5)	1.0%+100/Cx+6 (DF<0.5)	-
2000pF	1999.9pF	1.2%+6 (DF<0.5)	2.0%+100/Cx+6 (DF<0.5)	After open cal.
200pF	199.99pF	2.0%+8 (DF<0.1)	4.0%+100/Cx+8 (DF<0.1)	After open cal.

■ Indukcyjność (tryb szeregowy)

Test Frequency: 100 / 120Hz

Range	Maximum Display	Accuracy (DF<0.5)		Spec. Note
		Inductance	DF	
1000H	999.9H	0.3%+(Lx /10000) %+5	1%+100/Lx+5	After open cal.
200H *N1	199.99H	0.3%+(Lx /10000)%+5	0.8%+100/Lx+5	-
20H *N1	19.999H	0.3%+(Lx /10000)%+5	0.8%+100/Lx+5	-
2000mH *N1	1999.9mH	0.3%+(Lx /10000)%+5	0.8%+100/Lx+5	-
200mH	199.99mH	0.8%+(Lx /10000)%+5	1.5%+100/Lx+5	After short cal.
20mH	19.999mH	1.0%+(Lx /10000)%+5 *N2	5%+100/Lx+5	After short cal.

Test Frequency: 1 KHz

Range	Maximum Display	Accuracy (DF<0.5)		Spec. Note
		Inductance	DF	
100H	99.99H	0.3%+(Lx /10000) %+5	1.0%+100/Lx+5	After open cal.
20H	19.999H	0.3%+(Lx /10000)%+5	0.8%+100/Lx+5	-
2000mH	1999.9mH	0.3%+(Lx /10000)%+5	0.8%+100/Lx+5	-
200mH	199.99mH	0.3%+(Lx /10000)%+5	0.8%+100/Lx+5	-
20mH	19.999mH	0.5%+(Lx /10000)%+5	2.5%+100/Lx+5	After short cal.
2000μH	1999.9μH	1.0%+(Lx /10000)%+5	5%+100/Lx+5	After short cal.

Test Frequency: 10 KHz

Range	Maximum Display	Accuracy (DF<0.5)		Spec. Note
		Inductance	DF	
1000mH	999.9mH	2.0%+(Lx /10000)%+ 8 *N4	1.5%+100/Lx+10	-
200mH	199.99mH	0.6%+(Lx /10000)%+8	1.5%+100/Lx+10	-
20mH	19.999mH	0.6%+(Lx /10000)%+10	2.0%+100/Lx+15	-
2000μH	1999.9μH	1.0%+(Lx /10000)%+10	5.0%+100/Lx+20	After short cal.