



- ◆ Double display, 19,999 counts (R/L/C) and 999 counts (D/Q)
- ◆ Frequency selector: 100 Hz, 120 Hz, 1 kHz and 10 kHz
- ◆ Measurement rate: 1 meas./s – 4-wire resistance measurement
- ◆ Capacitance or inductance measurement
- ◆ Min/max, average, relative, parallel or series mode
- ◆ HOLD, REL and sort-on-limit functions
- ◆ Display of loss factors or quality factors
- ◆ Automatic detection of measurement fuse cut-out
- ◆ Compensation of test cables (*short-circuit or open circuit*)

GENERAL SPECIFICATIONS:

Display	Dual display: R/L/C 19,999 counts and D/Q 999 counts (Auto Range) / Backlighting
Type of measurement	4 wires
Range change	Automatic or manual
Test frequency	100 Hz, 120 Hz, 1 kHz and 10 kHz - Accuracy: +/- 0.1 %
Tolerance test	1 %, 5 %, 10 %, 20 %
Measurement level	0,8 Vrms
Measurement rate	1 meas./s
Response time	1 s/component tested, manual range
Power supply	AC 100/120 V, 50/60 Hz - Fuse: T 125 mA AC 220/240 V, 50/60 Hz - Fuse: T 63 mA
Operating / storage temperature	0 °C to 40 °C / -20 °C to + 50 °C
Dimensions / Weight	211 x 261 x 71 mm / 1.6 kg

ELECTRICAL SPECIFICATIONS: RESISTANCE

Range	Accuracy	
	Test frequency: 100 Hz / 120 Hz	
10 MΩ	0.6 % + 5	
2 000 kΩ	0.3 % + 3	
200 kΩ	0.3 % + 2	
20 kΩ	0.3 % + 2	
2 000 Ω	0.3 % + 2	
200 Ω	0.5 % + 3	
20 Ω	0.6 % + 40	
	Test frequency: 1 kHz	Test frequency: 10 kHz
10 MΩ	0.6 % + 5	2.5 % + 10 *
2 000 kΩ	0.3 % + 5	0.8 % + 10 *
200 kΩ	0.3 % + 2	0.6 % + 5
20 kΩ	0.3 % + 2	0.6 % + 5
2 000 Ω	0.3 % + 2	0.6 % + 5
200 Ω	0.5 % + 3	1.2 % + 25
20 Ω	0.6 % + 40	1.2 % + 200

* The accuracy is specified in parallel mode for this range

INDUCTANCE (serie mode)

Range	Accuracy
	Test frequency: 100 Hz / 120 Hz
1 000 H	0.3 % + (Lx/10 000) % + 5
200 H	0.3 % + (Lx/10 000) % + 5
20 H	0.3 % + (Lx/10 000) % + 5
2 000 mH	0.3 % + (Lx/10 000) % + 5
200 mH	0.8 % + (Lx/10 000) % + 5
20 mH	1.0 % + (Lx/10 000) % + 5 *
	Test frequency: 1 kHz
100 H	0.3 % + (Lx/10 000) % + 5
20 H	0.3 % + (Lx/10 000) % + 5
2 000 mH	0.3 % + (Lx/10 000) % + 5
200 mH	0.3 % + (Lx/10 000) % + 5
20 mH	0.5 % + (Lx/10 000) % + 5
2 000 μH	1.0 % + (Lx/10 000) % + 5
	Test frequency: 10 kHz
1 000 mH	2.0 % + (Lx/10 000) % + 8 *
200 mH	0.6 % + (Lx/10 000) % + 8
20 mH	0.6 % + (Lx/10 000) % + 10
2 000 μH	1.0 % + (Lx/10 000) % + 10

* The accuracy is specified in series mode for this range

To order

IX3131B: 1 RLC bridge, 1 set of 2-input BNC leads with crocodile clip, 1 mains power lead and 1 operating manual (CD-ROM)

Optional accessory: HX0081 : 1 pince CMS 4 BNC

CAPACITANCE (parallel mode)

Range	Accuracy
	Test frequency: 100 Hz / 120 Hz
10 mF	2.5 % + 5
1 000 μF	0.6 % + 5
200 μF	0.4 % + 3
20 μF	0.4 % + 3
2000 nF	0.4 % + 3
200 nF	0.4 % + 5
20 nF	0.6 % + 5
	Test frequency: 1 kHz
1 mF	2.5 % + 5
200 μF	0.6 % + 5
20 μF	0.4 % + 3
2 000 nF	0.4 % + 3
200 nF	0.4 % + 3
20 nF	0.4 % + 5
2 000 pF	0.6 % + 5
	Test frequency: 10 kHz
50 μF	2.0 % + 10
20 μF	2.0 % + 6
2 000 nF	1.0 % + 5
200 nF	1.0 % + 5
20 nF	1.0 % + 5
2 000 pF	1.2 % + 6
200 pF	2.0 % + 8



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