

Built in Automatic Electromotive Force cancel [A.E.C] circuit



- Minimum resolution:10 $\mu\Omega$
- Maximum measurement range: 199.9 Ω
- Measurement signal: 1kHz
- 4-terminal measurement
- Built-in Contact check
- Can be remote-controlled by GP-IB or RS-232C interface (option)

Specifications

Measuring range and Accuracy (at23°C±5°C) [within DC±13V]

Range	Measuring range	Resolution	Measuring current	Accuracy
20m Ω	0.00m Ω ~ 19.99m Ω	10 $\mu\Omega$	100mA	$\pm(0.2\%rdg+50\mu\Omega)$ ± 2 digit [Slow] ± 3 digit [Fast]
200m Ω	0.0m Ω ~ 199.9m Ω	100 $\mu\Omega$	10mA	
2 Ω	0.000 Ω ~ 1.999 Ω	1m Ω	1mA	
20 Ω	0.00 Ω ~ 19.99 Ω	10m Ω	100 μA	
200 Ω	0.0 Ω ~ 199.9 Ω	100m Ω	10 μA	

Test signal	1kHz±0.1% sine wave/1V r.m.s. (max.)
Measuring method	4-terminal measurement [available to contact check]
Sampling time	[Free running mode] 5 or 15 times/sec.
	[Remote start mode] about 23msec./106msec.
Measuring response time (Display of time to stabilize)	within 20msec.
Measuring terminals DC max. voltage	DC±25V(In case of A.E.C. : S"OFF"/ DC±13V(In case of A.E.C. : S"ON"
Comparator set range	3½ Digit (1999) both high and low limit
Indication of comparator's comparison result	LED indication LO/GO/HI and buzzer
Control signal	Remote start signal
	Remote hold signal
	comparison output [LO/GO/HI]: open collector
	contact error output [CE]: open collector
	end of comparison output [EOC]: open collector
Operation condition	[Temp.] +5°C~ +40°C [Humidity] less than 85%
Power supply	AC100V~240V selectable, 50/60Hz, about 50VA
Outer dimension	about 250(W)×112(H)×335(D)mm (excluding protruding parts such as rubber legs, etc.)
Weight	about 3.0kg

The Outline

AX-126B Battery digital m ohmmeter measures internal resistance of battery having electro motive force. Not affect for thermal electromotive force, can be measured contact resistance such as relay, switch, and connector.

It suitable for internal resistance measurement capacitor, like large capacity capacitor of electric double layer capacitor.

Contact check function is standard equipment: When measure 4 terminals, either one contact failure occurs, outputs Contact Error signal.

Option

● GP-IB Interface ● RS-232C Interface ● Analog Interface

● Printer output (8 bit parallel Centronics)

● Printer cable

*Either one interface can built-in the option above.