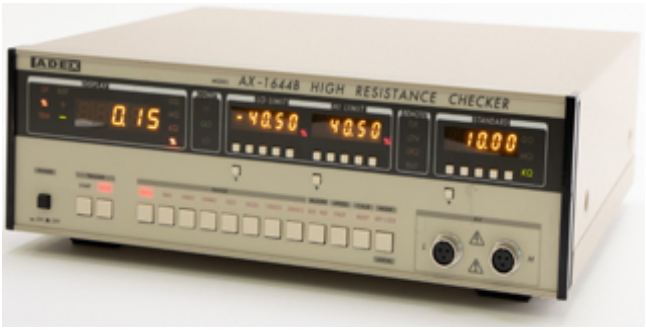
Model **AX-1644B** CE

Digital Ultra-high Resistance Checker (Dexterity very high resistance)

Best Suitable for 10kΩ～200GΩ chip, melf, lead type of sorting machine of ultra-high resistance, taping and trimming machine



- Trimming mode is possible.(High speed sampling)
- High speed integral few method of an error to noise. [Available to make the integral time setting for each range.]
- % measurement is possible by digital setting of the standard resistance value 4 digit. [±50.00%]
- Comparator result is possible open collector output, LED display and buzzer sound.
- RS-232C interface are built-in as standard equipment.
- Switchable the measuring voltage H/L corresponds to the measurement objects

Specifications

Measuring range and Accuracy (at23℃±5℃)

[HV-deviation value measurement]

Range	Measuring range	Measuring voltage	Measuring Accuracy
100kΩ	5.00kΩ～150.00kΩ	15V	±0.03%±1digit
1MΩ	50.0kΩ～1500.0kΩ	15V	
10MΩ	0.500MΩ～15.000MΩ	15V	
100MΩ	5.00MΩ～150.00MΩ	100V	±0.05%±1digit
1GΩ	50.0MΩ～1500.0MΩ	100V	
10GΩ	0.500GΩ～15.000GΩ	100V	±0.2%±1digit
100GΩ	5.00GΩ～150.00GΩ	200V	±0.5%±2digit
200GΩ (1000GΩ)	50.00GΩ～300.00GΩ (300.01GΩ～1500.0GΩ)	200V	±1%±4digit
			※1

[HV-absolute value measurement]

Range	Measuring range	Measuring voltage	Measuring Accuracy
100kΩ	5.00kΩ～150.00kΩ	15V	±0.1% of rdg ±1digit
1MΩ	50.0kΩ～1500.0kΩ	15V	
10MΩ	0.500MΩ～15.000MΩ	15V	
100MΩ	5.00MΩ～150.00MΩ	100V	±0.2% of rdg ±1digit
1GΩ	50.0MΩ～1500.0MΩ	100V	
10GΩ	0.500GΩ～15.000GΩ	100V	±0.5% of rdg ±1digit
100GΩ	5.00GΩ～150.00GΩ	200V	±0.8% of rdg ±2digit
200GΩ (1000GΩ)	50.00GΩ～300.00GΩ (300.01GΩ～1500.0GΩ)	200V	±1.5% of rdg ±4digit
			※1

[LV-deviation value measurement]

Range	Measuring range	Measuring voltage	Measuring Accuracy
100kΩ	5.00kΩ～150.00kΩ	15V	±0.03%±1digit
1MΩ	50.0kΩ～1500.0kΩ		
10MΩ	0.500MΩ～15.000MΩ		
100MΩ	5.00MΩ～150.00MΩ		±0.3%±1digit
1GΩ	50.0MΩ～1500.0MΩ		
10GΩ	0.500GΩ～15.000GΩ		±1.2%±2digit
100GΩ	5.00GΩ～150.00GΩ		±1.5%±2digit
200GΩ (1000GΩ)	NOT available		

[LV-absolute value measurement]

Range	Measuring range	Measuring voltage	Measuring Accuracy
100kΩ	5.00kΩ～150.00kΩ	15V	±0.1% of rdg ±1digit
1MΩ	50.0kΩ～1500.0kΩ		
10MΩ	0.500MΩ～15.000MΩ		
100MΩ	5.00MΩ～150.00MΩ		±1.2% of rdg ±1digit
1GΩ	50.0MΩ～1500.0MΩ		
10GΩ	0.500GΩ～15.000GΩ		±1.5% of rdg ±1digit
100GΩ	5.00GΩ～150.00GΩ		±2.0% of rdg ±2digit
200GΩ (1000GΩ)	NOT available		

※Range more than 10GΩ is measuring accuracy when appropriate to set measuring time etc. ※1 The accuracy is out of guarantee ※The above accuracy is the value fully shielded

Indication range	±50.00%
Measuring method	2 terminal measurement
Measuring time	(Measurement start signal be given after stable condition, after measured thing connection.) Integral Fast:1msec～29msec (setting possible with 1msec step) Slow:50Hz:20.0msec×(1～9)cycle (setting possible with 1 cycle step) max.180msec 60Hz:16.7msec×(1～9)cycle (setting possible with 1 cycle step) max.150.3msec Free run:about 33 time/sec～about 4 time/sec
Measuring delay time	0 msec～99msec setting possible every range
Comparator	Both upper and lower limit:±0.00%～±50.00% LO,GO,HI judgment indication ＋ output
Control signal	(DC12V photo isolation power inclusion) Outside hold input:0-12V signal and open short Outside start input:0-12V signal and open short (Logic switching possibility) Judgment result output:Open correct output LO, GO, HI
Warm up time	More than 30 minutes
Others	Zero, Full scale calibration function by panel face operation RS-232C interface are built-in as standard equipment.
Power supply	AC100V～AC240V, Automatic selectable type, 50/60Hz
Outer dimension	about 333 (W) ×99 (H) ×300 (D) mm (excluding protruding parts such as rubber legs, etc.)
Weight	about 4kg

The Outline

AX-1644B, digital ultra-high resistance checker, can be measured from 10kΩ to 1000GΩresistance value, high accuracy, high stability, and fast speed by digital measurement, and outputs to judge LO/GO/HI decision built in digital comparator.

Option

- GP-IB Interface
- Solenoid power supply
- Printer output (8 bit parallel Centronics)

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

- Printer cable