

Model

# AX-16000A Automatic calibrator

Easily to auto calibration, for anybody



- Auto calibration for digital resistance checker [AX-162D/AX-162E], one touch, high accuracy
- Unnecessary for standard resistance external attached
- Unnecessary for mastering calibration, experience, possible to calibrate easily and quick
- Possible to use as a standard resistance, high accuracy, high stability
- Possible to transfer printing out before calibration, after calibration

## Specifications

The accuracy of installed standard resistance (at 23°C)

Reference resistance value	Accuracy	Rating	Temperature coefficient	
SHORT	less than $1 \mu \Omega$	within 0.5A	----	
10m $\Omega$	less than $\pm 0.02\%$		within 1W	within $\pm 10\text{ppm}/^\circ\text{C}$
100m $\Omega$	less than $\pm 0.01\%$			
1 $\Omega$	less than $\pm 0.005\%$	within 0.5W	within $\pm 5\text{ppm}/^\circ\text{C}$	
10 $\Omega$				
100 $\Omega$				
1k $\Omega$				
10k $\Omega$				
100k $\Omega$				
1M $\Omega$				
10M $\Omega$	within 50V			
100M $\Omega$			less than $\pm 0.03\%$	

Time required for calibration	$[(T_m \times n_{01} + T_m \times n_{02} + T_m \times n_{03} + T_m \times n_f + T_m \times n_s + 600) \times 10 \text{ Range}] \text{ msec}$ <p> <math>T_m</math>: measuring time of calibrated measurement instrument [SLOW]  <math>n_{01} \sim n_{03}</math>: The number of tried for zero point calibration  <math>n_f</math>: The number of tried for absolute value measurement of 10000 counts  <math>n_s</math>: The number of tried for absolute value measurement of 1000 counts         </p>
Operation condition	[Temp.] $+5^\circ\text{C} \sim +40^\circ\text{C}$ , [Humidity] less than 85%
Power supply	AC 85V $\sim$ 265V, 50/60Hz, about 15VA
Outer dimension	about 333(W) $\times$ 99(H) $\times$ 300(D)mm (excluding protruding parts such as rubber legs, etc.)
Weight	about 3.8kg

## The Outline

AX-16000A is auto calibration to calibrate measuring instrument AX-162D, high-speed measurement major unit of tip resistor, totally automatic (one touch).

It can be printed out the date before calibration, and after calibration connecting to our product AX-81C printer, also can be brought to realization to simplify keeping a data for periodical calibration.

Option