

Model **AX-190B** Digital Voltage Coefficient Checker

1 Ω to 10.0MΩ Available to measure the Voltage Coefficient by 2 kind measuring voltage (Low/High)



- High Speed Measurement
- Available to judge right and wrong to voltage coefficient from low voltage measurement result by 2 voltages
- High accuracy also low resistance by 4 terminal measurement method.
- Contact-Check is equipped as standard function [Can be set ON / OFF function from front panel]
- Available to make choice of 4 kind of measuring voltage correspond to Wattage 0.063W, 0.10W, 0.125W, 0.25W
- RS-232C interface is equipped as a standard

## Specifications

Measuring range and Accuracy (at23°C±5°C), 180 days after calibration [In case of 1 year, the accuracy is the double]

● Measurement Display [0.063W when setting]

Measurement range	Standard	Measurement Voltage H/L	Accuracy by High measuring Voltage	Accuracy by Low measuring Voltage
10 Ω	1.00 Ω ~ 1.59 Ω 1.60 Ω ~ 4.09 Ω 4.10 Ω ~ 6.39 Ω 6.40 Ω ~ 9.99 Ω	0.24V/ 0.024V 0.30V/ 0.03V 0.48V/ 0.048V 0.60V/ 0.06V	within ±0.05% ± α d ± 1 digit	within ±0.06% ± α d ± 1 digit
100 Ω	10.0 Ω ~ 15.9 Ω 16.0 Ω ~ 40.9 Ω 41.0 Ω ~ 63.9 Ω 64.0 Ω ~ 99.9 Ω	0.8V/ 0.08V 1.0V/ 0.10V 1.60V/ 0.16V 2.00V/ 0.20V	within ±0.03% ± α d ± 1 digit	within ±0.04% ± α d ± 1 digit
1k Ω	100 Ω ~ 159 Ω 160 Ω ~ 409 Ω 410 Ω ~ 639 Ω 640 Ω ~ 999 Ω	2.4V/ 0.24V 3.0V/ 0.30V 4.8V/ 0.48V 6.0V/ 0.60V	within ±0.02% ± 1 digit	within ±0.03% ± 1 digit
10k Ω	1.0k Ω ~ 1.59k Ω 1.6k Ω ~ 4.09k Ω 4.1k Ω ~ 6.39k Ω 6.4k Ω ~ 9.99k Ω	8.0V/ 0.80V 10.0V/ 1.00V 16.0V/ 1.60V 20.0V/ 2.00V	within ±0.02% ± 1 digit	within ±0.03% ± 1 digit
100k Ω	10.0k Ω ~ 15.9k Ω 16k Ω ~ 40.9k Ω 41k Ω ~ 63.9k Ω 64k Ω ~ 99.9k Ω	24.0V/ 2.4V 30.0V/ 3.0V 48.0V/ 4.8V 48.0V/ 4.8V	within ±0.02% ± 1 digit	within ±0.03% ± 1 digit
1M Ω	100k Ω ~ 999k Ω	50.0V/ 5.0V	within ±0.03% ± 1 digit	within ±0.04% ± 1 digit
10M Ω	1.0M Ω ~ 10.0M Ω	50.0V/ 5.0V	within ±0.04% ± β d ± 1 digit	within ±0.04% ± β d ± 1 digit

※ α :{(5/Setting the STANDARD value)+1}    β :{(5 × (Setting STANDARD Value 3 digits/range))

※The standard accuracy on the measuring speed SLOW

Display	±9.99%						
Measuring method	4 Terminal Measurement (High Measuring Voltage and Low Measuring Voltage)						
Measuring time		Voltage Out (t1)	Measuring delay (t2)	Intergral Time (t3) msec	Change Voltage (t4)	Data Transaction (t5 t6)	Contact check (t7)
	Slow	0.1msec	1+(0~99) msec	16.7/20.0	0.4msec	t5: 0.7msec	0.03+1.6 (Contact)
	Fast	0.1msec	Ranges can be set	1~29 (1ms step)	+Max 8msec	t6: 0.2~0.9msec	0.03+1.6 (Contact)
	Normal measurement mode t7+(t1+t2+t3) +t4+(t1+t2+t3) +t7+t5+t6						
Comparator	HI, LOW ±9.99% LO, GO, HI judgment indication+output						
I/O Signal	Built-in DC12V Photo Isolation power Ext. HOLD input: 0~12V signal or Open, Short Ext. START input: 0~12V Signal or Open, Short (Available to change the logic) Judgment result output: Open collector output NG, TOTAL GO Measurement end output: Open collector output 1msec. to 99msec. (1msec/step). In case of zero setting Continuous						
Warm up Time	over 30 minutes						
Others	By the operation panel surface, zero and full-scale calibration function						
Power supply	AC100V~240V slelectable, 50/60Hz						
Outer dimension	about 333 (W) × 99 (H) × 300 (D) mm (excluding protruding parts such as rubber legs, etc.)						
Weight	about 4kg						

Option