

Measures internal resistance such as battery and voltage at the same time



- Measuring range : 0.00mΩ ~ 250.0Ω / DC0.000V ~ ±50.000V
- Contact-check is equipped as standard function [Checked each time the contact state of the measuring terminals]
- RS-232C interface as standard.
- Low-cost general-purpose machine

Specifications

Measuring range and Accuracy (at23°C±5°C)

Voltage measuring range		Resolution	Accuracy	
DC0.000V ~ ±50.000V		1mV	within ±0.05%rdg±3digit	
Range	Measuring range	Resolution	Measuring current	Accuracy
20mΩ	0.00mΩ ~ 25.00mΩ	10 μΩ	100mA	within ± (0.3%rdg+50 μΩ) ±2digit
200mΩ	0.0mΩ ~ 250.0mΩ	100 μΩ	10mA	
2Ω	0.000Ω ~ 2.500Ω	1mΩ	1mA	
20Ω	0.00Ω ~ 25.00Ω	10mΩ	100 μA	
200Ω	0.0Ω ~ 250.0Ω	100mΩ	10 μA	

Test signal	1kHz±0.1% sine wave/applied voltage 1V r.m.s (max.)
Measuring method	4-terminal measuring method [available to contact check]
Sampling time	[Free running mode] [FAST] 6 times per second [SLOW] 2 times per second [Remote start mode] [FAST] 100msec. [SLOW] 450msec.
Measuring terminals max. voltage	DC±50V
Comparator set range	Resistance : 0000~2500 both high and low limit Voltage : 00.000~±50.000 both high and low limit
Indication of comparator's comparison result	LED indication LO/GO/HI and buzzer
Control signal	Input : Measurement start signal
	Hold signal
	Output : Judgment result signal [R-LO/R-HI/V-LO/V-HI/T-GO]
	Contact signal error [CE]
	Completion of the measurement signal [EOC]
Operation condition	[Temp.] +5°C~+40°C [Humidity] less than 85%
Power supply	AC100V~240V selectable, 50/60Hz, about 30VA
Outer dimension	about 260 (W) × 90 (H) × 250 (D) mm (excluding protruding parts such as rubber legs, etc.)
Weight	about 2.6kg

The Outline

AX-1242N Battery mΩ/V meter (Battery iR/OCV tester) inspects to measure internal resistance such as battery having electromotive force and voltage at the same time. Contact-check function as standard equipment: When measure 4 terminals, either one contact failure occurs, outputs Contact Error signal.