SAT-11A/B
Single Clamp Earth Tester

AITELONG
Keeping your system safe and running!

Specifications

Screen	Digital-Large Clear LCD
Data storage	99 items
Limit value of resistance alarm	1-199Ω
Limit value of current alarm	1-499mA
Clamp opening size	28mm
Protection grade	Double in sulation
Explosion-proof mark	Exia II BT3
Switch	Automatic switch
External magnetic field	<40A/m
External electric field	<1V/m
Single measurement time	1 second
Resistance frequency	>1KHz
Tested current frequency	50/60Hz automatic switching
Operating temperature	-15℃ ~ 60℃
Humidity	10% ~ 90%RH
Power supply	4×1.5V AA alkaline battery
Dimension of tester	285mm(L)× 85mm(W)×56mm(H)
Weight	1.160kg (including battery)

Model Difference

Type	Size of jaw (mm)	Measurement range	Description
SAT-11A	Long jaw：32×65	0.01-1200 (Ω)	Basic type
SAT-11B	Long jaw：32×65	0.01-1200 (Ω); 0-20 (A)	Multifunction type

SAT--11A/B Single Clamp Earth Tester is used in testing earth resistance of power, communication, weather and other electrical equipments. It is stakeless, to test multipoint grounds and common grounds, can save time for engineers and specialists.

Key Features

◎ No auxiliary ground stakes are required at all, real easy-to-use.
◎ No ground stakes' error, data have well consistent
◎ Provide testing ring to do accuracy self-testing.
◎ Smart and rugged design, application for field environment.
◎ Detecting and indicating interference signal
◎ Over range alarm

Measurement Range and Accuracy

Measurement mode	Measurement range	Resolution	Accuracy
Resistance	0.010~0.099（Ω）	0.001(Ω)	±(1％+0.01Ω)
	0.10~0.99（Ω）	0.01(Ω)	±(1％+0.01Ω)
	1.0~49.9（Ω）	0.1(Ω)	±(1％+0.1Ω)
	50.0~99.5（Ω）	0.5(Ω)	±(1.5％+0.5Ω)
	100~199（Ω）	1(Ω)	±(2％+1Ω)
	200~395（Ω）	5(Ω)	±(5％+5Ω)
	400~590（Ω）	10(Ω)	±(10％+10Ω)
	600~880（Ω）	20(Ω)	±(20％+20Ω)
	900~1200（Ω）	30(Ω)	±(25％+30Ω)
* Current	0.00~9.95 mA	0.05mA	±(2.5％+1 mA)
	10.0~99.0 mA	0.1mA	±(2.5％+5 mA)
	100~299 mA	1 mA	±(2.5％+10 mA)
	0.30~2.99A	10 mA	±(2.5％+0.1A)
	3.0~9.9 A	0.1A	±(2.5％+0.3 A))
	10.0~20.0A	0.1A	±(2.5％+0.5 A)

Notes: "*" It is limited for SAT-11B type

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