

DY4300 | DY4300A | DY4300B

4-POLE EARTH RESISTANCE AND SOIL RESISTIVITY TESTER

- 4 pole earth resistance measurement up to 209.9k ohms with resolution 0.001ohm
- Soil resistivity measurement 0 to 209.9kΩm
- Advance filtering method based on FFT(fast fourier transform) reduces noise interference
- Rich test results displayed include resistance of earth spikes, frequency of test current, detected voltage and frequency of interference, residual resistance Rk, etc.
- Auto/manual frequencies optional(94/105/111/128Hz)
- Compensation for residual resistance Rk
- Data memory 1000sets
- Brand new designed rugged panel layout
- Conforms to CATIV 150V, CATIII 300V



DY4300/DY4300A

DY4300B

SPECIFICATION	DESCRIPTION	DY4300	DY4300A	DY4300B
Earth Resistance	2Ω	0.05~2.09Ω	0.01Ω	0.05~2.09Ω 0.01Ω
	20Ω	0.05~20.9Ω	0.1Ω	0.05~20.9Ω 0.1Ω
	200Ω	0.3~209Ω	1Ω	0.3~209Ω 1Ω
	2000Ω	3~2.09kΩ	10Ω	3~2.09kΩ 10Ω
	20kΩ	0.03k~20.9kΩ	100Ω	0.03k~20.9kΩ 100Ω
	200kΩ	N/A	N/A	0.03k~209.9kΩ 100Ω
Accuracy		±(3%rdg±5dgt)	±(3%rdg±5dgt)	2Ω±(3%rdg±0.03Ω) (*1) 20/200/2000/20K/200KΩ±(3%rdg±5dgt)
Auxiliary earth resistance Rh,Rs		8% of Re+Rh+Rs	8% of Re+Rh+Rs	8% of Re+Rh+Rs
Soil Resistivity $\rho=2*n*a*Rg$ (*2)	2Ω	0.3~393.7Ω.m	0.3~393.7Ω.m	0.3~395.4Ω.m
	20Ω	3~3937Ω.m	3~3937Ω.m	0.3~3954Ω.m
	200Ω	0.03~39.37KΩ.m	0.03~39.37KΩ.m	0.003~39.54KΩ.m
	2000Ω	0.3K~393.7KΩ.m	0.3K~393.7KΩ.m	0.03K~395.4KΩ.m
	20kΩ	3K~1999KΩ.m	3K~1999KΩ.m	0.3K~1999KΩ.m
Series interference voltage Ust (A.C only) (*3)	0~30Vrms	N/A	±(2%rdg±2dgt) (50/60Hz) ±(3%rdg±2dgt) (40/500Hz)	0.1V
	0~50.9Vrms	N/A	N/A	±(2%rdg±2dgt) (50/60Hz) ±(3%rdg±2dgt) (40/500Hz)
Frequency of Ust	40~500Hz	N/A	±(1%rdg±2dgt)	0.5Hz
Measuring Current Im		max. 10mA	max. 10mA	max. 80mA
Measuring Voltage Um		10Vrms 125Hz	10Vrms 94,105,111,128Hz	10Vrms 94,105,111,128Hz
Compensation of Lead Resistance Rk	2Ω	max. 2Ω	max. 2Ω	max. 2Ω
	20Ω	max. 9Ω	max. 9Ω	max. 9Ω
Memory capacity		1000 groups	1000 groups	1000 groups
LCD		Segment	Segment	Dot-matrix 192×64 monochrome
Power		AA 1.5V * 8	AA 1.5V * 8	AA 1.5V * 8
Dimension		190*155*75mm	190*155*75mm	190*155*75mm
Weight		900g	900g	900g
Safety Category	IEC 61010-1 CAT.III 300V, CAT.IV 150V, Pollution degree 2, IEC 61010-031, IEC 61557-1,5, IEC 61326-1(EMC)			

STANDARD ACCESSORIES



DY42
4 terminal
earth wires
and spikes



DY45A
Heavy duty
oxford fabric
bag

(1)Auxiliary earth resistance is 100Ω with Rk correction.
(2)Depending on the measured Rg. interval [a] between auxiliary earth spikes is 1.0~30.0m.
(3)This instrument is NOT designed to measure line voltages on commercial powers