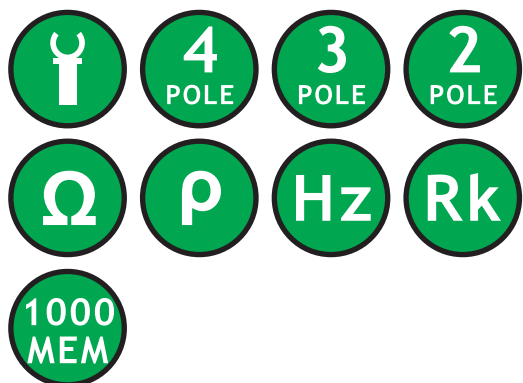


DY4305

GEO EARTH GROUND TESTER



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two clamps stakeless, 4-pole, multi frequency, soil resistivity

- Two clamp Stakeless earth ground rods testing
- 4 pole earth resistance measurement up to 209.9k ohms with resolution 0.001ohm
- 75mm long jaw covers all types of earth ground system
- 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



SPECIFICATION	DESCRIPTION	ACURRACY	RESOLUTION
Earth Resistance	0.05~2.09Ω	±(3%rdg±0.05Ω)	0.01Ω
	0.05~20.9Ω	±(5%rdg+5dgt)	0.1Ω
	0.3~209Ω	±(5%rdg+5dgt)	1Ω
	3~2.09kΩ	±(5%rdg+5dgt)	10Ω
	0.03k~20.9kΩ	±(5%rdg+5dgt)	100Ω
Accuracy		±(3%rdg±5dgt)	
Auxiliary earth resistance Rh,Rs		8% of Re+Rh+Rs (*1)	
Soil Resistivity $\rho=2*n*a*Rg$ (*2)	2Ω	0.3~393.7Ω.m	
	20Ω	3~3937Ω.m	
	200Ω	0.03~39.37KΩ.m	
	2000Ω	0.3K~393.7KΩ.m	
	20kΩ	3K~1999KΩ.m	
Measurement of Interference Voltage Ust (AC only) (*3)	0~30Vrms	±(2%rdg±2dgt) (50,60Hz) ±(3%rdg±2dgt) (40,500Hz)	0.1V
Measurement of Interference Frequency	40~500Hz	±(1%rdg±2dgt)	0.5Hz
Compensation of Lead Resistance Rk	2Ω	max. 2Ω	
	20Ω	max. 9Ω	
Stakeless earth ground resistance measurement (Two clamp stakeless)	0.01~2.09Ω	±(7%rdg+5dgt)	0.01Ω
	2.1~20.9Ω	±(10%rdg+5dgt)	0.1Ω
	21~100Ω	±(20%rdg+5dgt)	1Ω
Jaw size	75*32mm		
Measuring Current Im	max. 10mA		
Measuring Voltage Um	10Vrms 94,105,111,128Hz		
Memory capacity	1000 groups		
Power	AA 1.5V * 8		
Dimension	190*155*75mm		
Weight	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)		
Overload Protection	between E-S(P) and between E-H⊕ terminals 280VAC / 10 seconds		
Withstand Voltage	between electrical circuit and enclosure 350VAC (50/60Hz) 5 seconds		

(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