

## 4-Wire Digital Earth Resistivity



**4235 ER**

**4236 ER**

### FEATURES

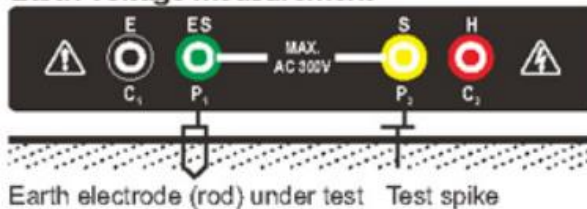
- Microprocessor-controlled.
- Earth resistivity ( $\rho$ ) test.
- Earth testing at 20 $\Omega$ , 200 $\Omega$ , 2000 $\Omega$ .
- Earth voltage measuring : 0-300V AC.
- Automatic C spike check.
- Automatic P spike check.
- 2-Wire test, 3-Wire test, 4-Wire test.
- LCM display.

- Auto ranging.
- Auto power OFF.
- Data hold.
- 200 measurement results can be saved in the memory and recalled on the display.
- Interval between auxiliary earth spikes is 1.0~50.0m.
- Optical USB to RS-232 data transmission.(4236 ER)
- The stored data can be transferred to a PC.(4236 ER)
- 2 optical LEDs are built-in for data transfer.(4236 ER)

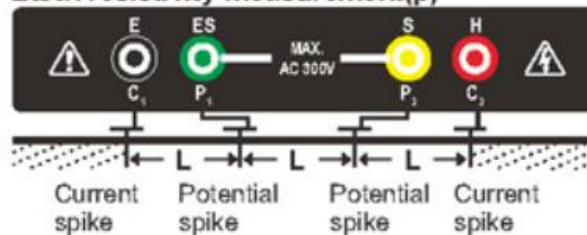
### SPECIFICATIONS

Measuring ranges	Earth Resistance	0-20 $\Omega$ / 0-200 $\Omega$ / 0-2000 $\Omega$
	Earth Voltage	0-300.0V AC
	Earth Resistivity ( $\rho=2 \times \pi \times L \times R$ )	0.06~6.28k $\Omega$ .m 0.62~62.8k $\Omega$ .m 6.28~628k $\Omega$ .m
	Accuracy	Earth Resistance $\pm 2\%rdg \pm 3dgt$ Earth Voltage $\pm 2\%rdg \pm 3dgt$
	Earth resistance resolution	0-20 $\Omega$ : 0.01 $\Omega$ 0-200 $\Omega$ : 0.1 $\Omega$ 0-2000 $\Omega$ : 1 $\Omega$
Measuring system	Earth resistance by constant current	
Temperature & humidity	Inverter 820Hz approx. 2mA Operating: 0 $^{\circ}$ C~40 $^{\circ}$ C $\leq 80\%$ R.H. Storage: -10 $^{\circ}$ C~50 $^{\circ}$ C $\leq 80\%$ R.H.	
Dimensions	250(L) x 190(W) x 110(D)mm	
Weight (battery included)	Approx. 1430g	
Power source	1.5V (AA) x 8	
Safety standards	EN 61010-1 CAT IV 300V IEC 61557-1 IEC 61557-5 EN 61326-1	

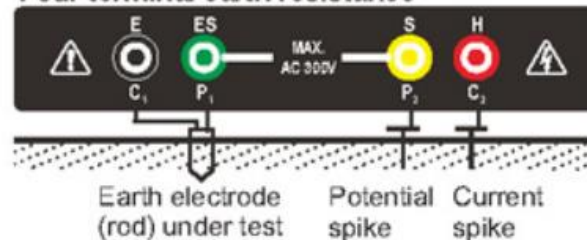
### Earth Voltage measurement



### Earth resistivity measurement( $\rho$ )



### Four-terminal earth resistance



Accessories	Instruction manual
	Test leads (red-15m, black-10m, yellow-10m, green-5m)
	Auxiliary earth spikes
	Carry case, Shoulder belt, Batteries
	Data Transmission cable CA-232(4236ER) Compact disk(CD) for PC interface(4236ER)

### Packing Information

MODEL	QTY/CTN	N.W	G.W	GUFF
4235 ER	4PCS	17.5	18.5	3.01
4236 ER	4PCS	17.5	18.5	3.01