

DIGITAL EARTH TESTER KEW 4105DL / 4105DL-H / 4105DLBT-H

IP67 DUST & WATER PROOF RUGGED EARTH TESTERS



- 3pole and 2pole Earth Resistance measurement (0.01Ω-2000Ω)
- Waterproof design
- Bluetooth®enabled for data transfer(4105DLBT-H)
- Noise rejection up to 25V rms allows accurate testing in noisy environments
- Rotary Switch makes the user interface very intuitive
- Large LCD Display with Backlight
- LED to monitor correct / non correct auxiliary earth spike resistance
- Earth Voltage Measurement (AC / DC 0-300V)
- CAT IV 100V





Dust and waterproof: after use you can wash it to remove the mud and dust



Innovative Cable reel with wire guide system to facilitate rewinding



Robust forged earth spikes

KEW 4105DL / 4105DL-H / 4105DLBT-H Specifications

200					
Earth resistance measurement		20Ω	200Ω	2000Ω	
	Measuring range	0.00 - 2000Ω			
	Display range	0.00 - 20.99Ω	0.0 - 209.9Ω	0 - 2099Ω	
	Accuracy*1	$\pm 1.5\%$ rdg $\pm 0.08\Omega^{2}$ $\pm 1.5\%$ rdg ± 4 dgt			
	Auxiliary earth resistance*3	<10kΩ	<50kΩ	<100kΩ	
	Comparator reference value	10Ω	100Ω	500Ω	
Ea	Earth voltage measurement				
	Measuring range	0.0 - 300.0V AC (45 - 65Hz) / ±0.0 - ±300.0V DC			
	Display range	0.0 - 314.9V(AC) / 0.0 - ±314.9V(DC)			
	Accuracy	±1%rdg±4dgt			
Applicable Standards		IEC 61010-1 CAT IV 100V / CAT II 150V / CAT II 300V Pollution degree 3			
		IEC 61010-2-030, IEC 61010-031, IEC 61557-1, 5			
		IEC 60529 IP67, IEC 61326-1, 2-2 (EMC), EN50581 (RoHS)			
Power source		LR6 (AA)(1.5V)×6			
Dimensions		121(L)×188(W)×59(H) mm (including case lid)			
Weight		Approx. 690g (including batteries and case lid)			

- *1 For precision measurement, auxiliary earth resistance should be 1000 $\pm5\%$ or less.
- $^{^{*2}}\mbox{At}$ simplified measurement add $\pm 0.10\Omega$ to the specified accuracy.
- $^{\mbox{\tiny 3}}$ Accuracy within the auxiliary earth resistance: $\pm 5\% rdg \pm 10 dgt.$
- * Bluetooth® is the trademark or registered trademark of Bluetooth SIG.





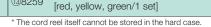


Selection Guide 4105DL 4105DLBT-H 4105DL-H Bluetooth® communication Included Accessories (●), Optional Accessories (△) 107127B Simplified measurement probe 28041 Auxiliary earth spikes [2 spikes/1 set] 39121 Shoulder strap Earth resistance test leads 47266 \triangle (red:20m, yellow:10m, green:5m) Cable reel for Earth resistance tester 57267 \triangle^* \triangle^* (red:20m) Cable reel for Earth resistance tester 6)7268 △* \triangle^* (yellow:10m) Cable reel for Earth resistance tester \triangle 77271 \triangle (green:5m) 89190 Carrying case Δ 99191 Hard case Δ **109197** Hard case

Δ

 \triangle

Δ



Earth resistance test lead (red:20m)

Adapter for measurement terminal

Earth resistance test lead (yellow:10m)



Noise rejection up to 25V rms allows accurate testing in noisy environments.

Earth voltage warning A red LED comes on if an external voltage is detected. EARTH VOLTAGE [LED light comes on if:]

Voltage

> 10V

> 25V

> 5V

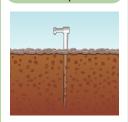
Frequency

0 - 10Hz

10 - 100Hz

100 – 400Hz

Robust steel made earth spikes



Earth measurements are possible up to 100kΩ* of auxiliary earth spikes resistance.

Auxiliary earth resistance check If the auxiliary earth resistance is: Too high at S(P) terminal RS Too high at H(C) terminal RH^-H Within allowable range (Green LED OK)

Included / Optional Accessories





11)7269

127270

138259

Please read the "Safety Warnings" in the instruction manual supplied with the instrument thoroughly and completely Safety Warnings: If the instruction maintained supplied with the supplied with the instruction maintained supplied with the supplied w to operate the instrument on a correct power supply and voltage rating marked on each instrument.

Λ

 \triangle

 ²⁰Ω range 10kΩ, 200Ω range 50kΩ, 2000Ω range 100kΩ.

COSINUS Messtechnik – Ihr Partner für Messlösungen in allen elektrischen und physikalischen Anwendungen.

COSINUS Messtechnik GmbH

Rotwandweg 4 82024 Taufkirchen

Tel.: 089 / 66 55 94 - 0

Fax: 089 / 66 55 94 - 30

office@cosinus.de www.cosinus.de