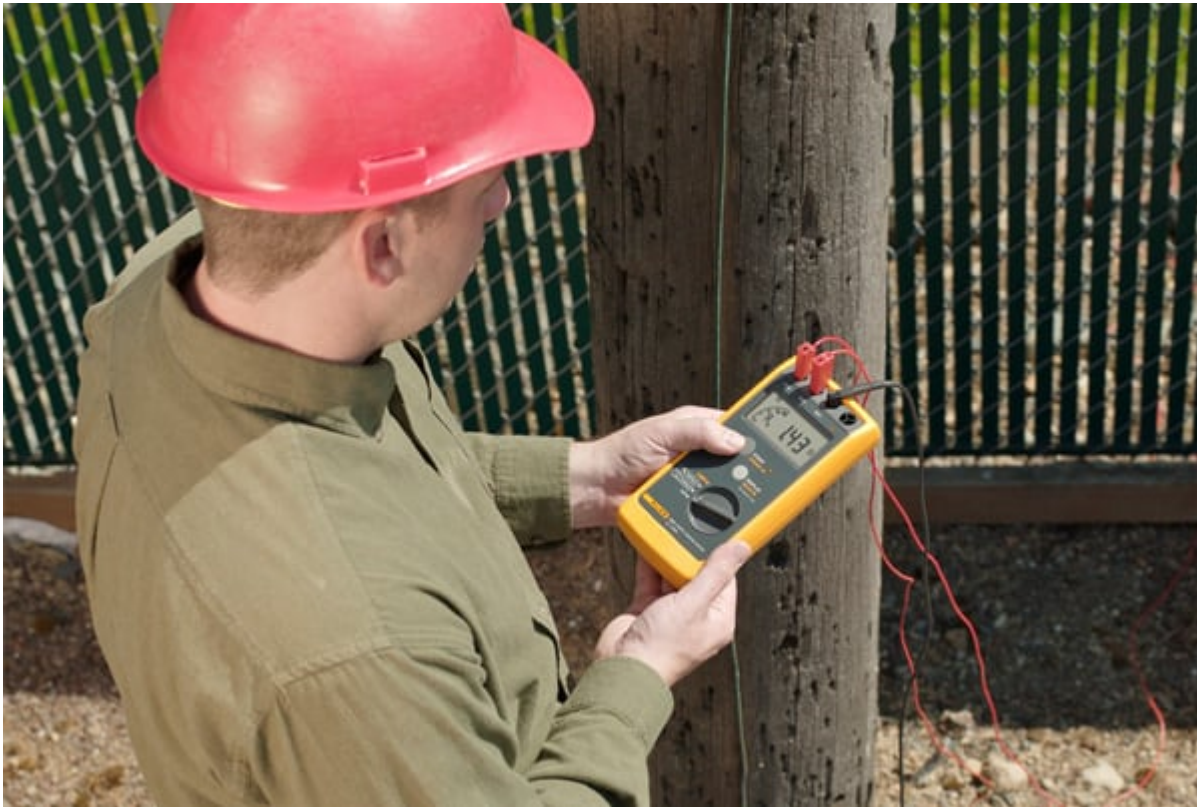


Datos técnicos

Fluke 1621 Kit - Basic Earth Ground Tester





Características principales

- 3-pole Fall-of-Potential earth testing for basic measurements
- 2-pole resistance measurements for added versatility
- Easily capture values with single-button operation
- Ensure accurate measurements with automatic 'noise' voltage detection
- Hazardous voltage warning offers increased user protection
- Clearly read and record data with a large, backlit display
- Hard carrying case
- Rugged holster and design for tough work environments
- Portable size allows for easy transportation
- Instantly be alerted to measurements outside of your set limit, when you use the adjustable limit setting
- 600 V Cat II

Descripción general del producto: Fluke 1621 Kit - Basic Earth Ground Tester

The Fluke 1621 Kit is an easy-to-use earth ground tester. For ground resistance testing, the 1621 Kit is the first line of defense in detecting reliable ground connections. The unit features basic ground testing methods including 3-pole Fall-of-Potential as well as 2-pole ground resistance tests. Its convenient size, rugged holster, and large, clear LCD display make it an ideal field earth ground tester, for most electrical grounding work environments. With a simple user interface and intuitive functionality, the Fluke 1621 Kit is a handy grounding tool for electrical contractors, utility test engineers, and earth ground specialists.

Especificaciones: Fluke 1621 Kit - Basic Earth Ground Tester

General Specifications

Measuring functions	3-pole earth ground resistance, 2-pole AC resistance of a conductor, Interference voltage	
Intrinsic error	Refers to the reference temperature range and is guaranteed for one year	
Measuring rate	2 measurements/second	
Battery ¹	One 9 volt alkaline (LR61)	
Battery condition	LO-BAT is displayed if voltage drops below 6.5 V	
Voltages	Between jacks H/C2 and E/C1	250 V _{eff} maximum (effective voltage)
	Between jacks S/P2 and E/C1	250 V _{eff} maximum
Climatic class	VDE/VDI 3540 RZ (conforming to KWG as per DIN 40040, 4/87)	
Temperature performance ²	Working	-10°C to +50°C (+14°F to +122°F)
	Operating	0°C to +35°C (+32°F to +95°F)
	Storage	-20°C to +60°C (+68°F to +140°F)
	Reference	+23°C ±2°C (+73°F ±4°F)
Temperature coefficient	±0.1% of range per degree Kelvin	
Safety	IEC/EN 61010-1, 600 V CAT II, pollution degree 2	
Dimensions	113 x 54 x 216 mm (4.5 x 2.1 x 8.5 in), including holster	
Weight	850 g (1.9 lb), including standard accessories, volume approximately 600 cm ³	
Electrical Specifications		
Maximum deviations	E, Influence factor	Position
	E ₁ Deviation influence	0%
	E ₂ Influence factor	Supply voltage
	E ₂ Deviation influence	0%
	E ₃ Influence factor	Temperature E ₃
	E ₃ Deviation influence	2.3%
	E ₄ Influence factor	Serial interference voltage (20 V)
	E ₄ Deviation influence	0.6%
	E ₅ Influence factor	Probe- and auxiliary probe resistance
	E ₅ Deviation influence	10%
Test voltage	3.7 kV	
Protection type	IP 40; IEC/EN 60529	
Electromagnetic compatibility	Emission	IEC/EN 61326 Class B
	Immunity	IEC/EN 61326 Annex C

R _e resistance measurement	Measuring method	Current-voltage measurement with improved cross-talk aenuation, no compensation of measuring lead resistance, with probe (3-pole) or without probe (2-pole), as per IEC/EN 61557-5
	Open circuit voltage	23 to 24 V AC
	Short circuit current	> 50 mA AC
	Measuring frequency	128 Hz
	Maximum permissible overload	250 Veff
Measuring time	8 seconds (average from when START is pressed)	
Limit input	Tester retains set value even if instrument is tued off (assuming baery power supply is sufficient)	
Automatic changeover of resolution	R_H	< 7 kΩ
	Resolution	0.01 Ω
	R _H	< 50 kΩ
	Resolution	0.1 Ω
	R _H	> 50 kΩ
	Resolution	1 Ω
Interference voltage display DC + AC	Vmax	30 Veff
	Common mode rejection	> 80 dB at 50 Hz and 60 Hz
	Ri	680 kΩ
	Measuring uncertainty	< 10% for pure AC and DC signals
Measuring Range		
0.15 Ω to 20 Ω	Resolution	0.01 Ω
	Display range	0 to 19.99 Ω
200 Ω	Resolution	0.1 Ω
	Display range	20 to 199.9 Ω
2 kΩ	Resolution	1 Ω
	Display range	200 to 1999 Ω
Ininsic uncertainty	±(6% of measured value + 5D)	
Operating uncertainty IEC 61557 ³	±(18% of measured value + 5D)	
<p>1. If the tester is not going to be used, or is being stored for a long period, remove the baery and store separately from the tester to avoid damage from baery leakage.</p> <p>2. The four temperature ranges for the tester exists to satisfy European Standards requirements; the instrument can be used over the full working temperature range by using the temperature coefficient to calculate accuracy at the ambient temperature of use.</p> <p>3. Covers all deviations caused by influence quantities E₁-E₅. If the deviation E₄ caused by high probe or auxiliary probe resistance is higher than specified flashes. Measured values are outside of the specified operating uncertainty.</p>		

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