

## Fluke 1623 and 1625 GEO Earth Ground Testers

### Technical Data

The new Fluke 1623 and 1625 GEO Earth Ground Testers offer an innovative solution, called Stakeless testing, to make your earth ground loop resistance testing quicker and easier. No need for a separate earth ground clamp.

- 3- and 4-pole Fall of Potential, earth resistance loop testing
- 4-pole Soil Resistivity testing
- Selective earth ground rod testing using 1 clamp
- Stakeless earth ground rod testing using 2 clamps
- IP56 rated for outdoor use
- Rugged carrying case

In addition, the Fluke 1625 offers these advanced features:

- Automatic Frequency Control (AFC) - identifies existing interference and chooses a measurement frequency to minimize its effect, providing more accurate earth ground value
- R\* measurement - calculates earth ground impedance at 55 Hz to more accurately reflect the earth ground resistance that a fault-to-earth ground would see
- Adjustable limits - for quicker testing



### Stakeless testing

The Fluke 1623 and 1625 earth ground testers are able to measure earth ground loop resistances using only clamps. With this test method, two clamps are placed around the earth ground rod and each are connected to the tester. No earth ground stakes are used at all. A known, fixed voltage is induced by one clamp and the current is measured using the second clamp. Then the tester automatically determines the resistance of the earth ground rod.

This test method only works if a bonded earth ground system exists for

the building or structure under test, but most are. If there is only one path to ground, like at many residential applications, the Stakeless method will not provide an acceptable value and the Fall of Potential test method must be used.

With Stakeless testing, the earth ground rod does not need to be disconnected—leaving the bonded earth ground system intact during test. Gone are the days of spending time placing and connecting stakes for each earth ground rod on your system—a major time saver. You can also perform earth ground tests in places you've not considered before: inside buildings, power pylons, or anywhere you don't have access to soil.

### The most complete testers

The Fluke 1623 and 1625 are distinctive earth ground testers that can perform all four types of earth ground measurement:

- 3- and 4-Pole Fall of Potential (using stakes)
- 4-Pole Soil Resistivity testing (using stakes)
- Selective testing (using 1 clamp and stakes)
- Stakeless testing (using 2 clamps only)

The testers are also easy to use. For each test, the testers inform you which stakes or clamps need to be connected and the large rotary switch can be used even with a gloved hand.

The complete model kit comes with the 1623 or 1625 tester, test leads, 4 earth ground stakes, 3 cable reels with wire, 2 clamps, batteries, and manual—all inside a rugged Fluke carrying case.

## 1623 Specifications

### General

<b>Display:1999 digit LCD</b>	Display with special symbols, digit height 25 mm, fluorescent backlight
<b>User interface</b>	Instant measurement through TURN and START one button concept. The only operating elements are rotary switch and START button
<b>Robust and waterproof</b>	Instrument is designed for tough environmental conditions (rubber protective cover, IP56)

### Temperature ranges

<b>Working temperature</b>	-10 °C to 50 °C (14 °F to 122 °F)
<b>Operating temperature</b>	0 °C to 35 °C (32 °F to 95 °F)
<b>Storage temperature</b>	-20 °C to 60 °C (-4 °F to 140 °F)
<b>Reference temperature</b>	23 °C to ± 2 °C (73 °F to ± 4 °F)

The chart of four temperature ranges for the instrument exist 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.

<b>Temperature coefficient</b>	± 0.1 % of reading/K
<b>Intrinsic error</b>	Refers to the reference temperature range and is guaranteed for 1 year
<b>Operating error</b>	Refers to the operating temperature range and is guaranteed for 1 year
<b>Climatic class</b>	C1 (IEC 654-1), -5 °C to +45 °C (23° to +115° F), 5 % to 95 % RH
<b>Protective type</b>	IP56 for case, IP40 for battery door according to EN60529
<b>Safety</b>	Protection by double and/or reinforced insulation. max. 50 V to earth
<b>EMC (Emission Immunity)</b>	IEC 61326-1:1997 Class A
<b>Quality system</b>	Developed, designed and manufactured according to DIN ISO 9001
<b>External voltage</b>	V ext, max = 24 V (dc, ac < 400 Hz), measurement inhibited for higher values
<b>V ext rejection</b>	> 120 dB (16⅓, 50, 60, 400 Hz)
<b>Measuring time</b>	Typical 6 sec.
<b>Max. overload</b>	250 V rms (pertains to misuse)
<b>Auxiliary power</b>	6 x 1.5 V mignon cells alkali-manganese (type AA LR6)
<b>Battery life span</b>	Typical > 3,000 measurements
<b>Dimensions (WxHxD)</b>	250 mm x 133 mm x 187 mm (9.75 in x 5.25 in x 7.35 in)
<b>Weight</b>	1.1 kg (2.43 lb) including batteries

### R<sub>A</sub> 3-pole ground resistance measurement (IEC 1557-5)

Switch position	Resolution	Measuring range	Intrinsic error	Operating error
R <sub>A</sub> 3-pole	0.001 Ω to 10 Ω	0.001 Ω to 19.99 kΩ	± (2 % rdg + 3 d)	± (5 % rdg + 3 d)

For 2-pole measurements connect terminals H and S with the supplied connector cable.

#### Measuring principle: Current and voltage measurement

Measuring voltage	V <sub>m</sub> = 48 V ac
Short-circuit current	> 50 mA
Measure frequency	128 Hz (125 Hz on request)
Probe resistance (R <sub>S</sub> )	Max 100 kΩ
Auxiliary earth electrode resistance (R <sub>H</sub> )	Max. 100 kΩ
Additional error from R <sub>H</sub> and R <sub>S</sub>	R <sub>H</sub> [kΩ]·R <sub>S</sub> [kΩ]/R <sub>A</sub> [Ω]·0.2 %
Monitoring of R <sub>S</sub> and R <sub>H</sub> with error indicator	
Automatic range selection	
Measurement is not performed if the current through the current clamp is too low	

### R<sub>A</sub> 4-pole ground resistance measurement (IEC 1557-5)

Switch position	Resolution	Measuring range	Intrinsic error	Operating error
R <sub>A</sub> 4-pole	0.001 Ω to 10 Ω	0.001 Ω to 19.99 kΩ	± (2 % rdg + 3 d)	± (5 % rdg + 3 d)

#### Measuring principle: Current/voltage measurement

Measuring voltage	V <sub>m</sub> = 48 V ac
Short-circuit current	> 50 mA
Measuring frequency	128 Hz (125 Hz on request)
Probe resistance (R <sub>S</sub> + R <sub>ES</sub> )	Max. 100 kΩ
Auxiliary earth electrode resistance (R <sub>H</sub> )	Max. 100 kΩ
Additional error from R <sub>H</sub> and R <sub>S</sub>	R <sub>H</sub> [kΩ]·R <sub>S</sub> [kΩ]/R <sub>A</sub> [Ω]·0.2 %
Monitoring of R <sub>S</sub> and R <sub>H</sub> with error indicator	
Automatic range selection	

### R<sub>A</sub> 3-pole selective ground resistance measurement with current clamp (R<sub>A</sub> ⤵)

Switch position	Resolution	Measuring range	Intrinsic error	Operating error
R <sub>A</sub> 3-pole ⤵	0.001 Ω to 10 Ω	0.001 Ω to 19.99 kΩ	± (7 % rdg + 3 d)	± (10 % rdg + 5 d)

#### Measuring principle: Current/voltage measurement (with external current clamp)

Measuring voltage	V <sub>m</sub> = 48 V ac
Short-circuit current	> 50 mA
Measuring frequency	128 Hz (125 Hz on request)
Probe resistance (R <sub>S</sub> )	Max. 100 kΩ
Auxiliary earth electrode resistance (R <sub>H</sub> )	Max. 100 kΩ
Monitoring of R <sub>S</sub> and R <sub>H</sub> with error indicator	
Automatic range selection	
Measurement is not performed if the current through the current clamp is too low	

### **$R_A$ 4-pole selective ground resistance measurement with current clamp ( $R_A \gg C$ )**

Switch position	Resolution	Measuring range	Intrinsic error	Operating error
$R_A$ 4-pole $\gg C$	0.001 $\Omega$ to 10 $\Omega$	0.001 $\Omega$ to 19.99 k $\Omega$	$\pm$ (7 % rdg + 3 d)	$\pm$ (10 % rdg + 5 d)

#### Measuring principle: Current/voltage measurement (with external current clamp)

Measuring voltage	$V_m = 48$ V ac
Short-circuit current	> 50 mA
Measuring frequency	128 Hz (125 Hz on request)
Probe resistance ( $R_S$ )	Max. 100 k $\Omega$
Auxiliary earth electrode resistance ( $R_H$ )	Max. 100 k $\Omega$
Monitoring of $R_S$ and $R_H$ with error indicator	
Automatic range selection	
Measurement is not performed if the current through the current clamp is too low	

### **Stakeless ground loop measurement ( $\infty \neq$ )**

Switch position	Resolution	Measuring range	Intrinsic error	Operating error
$R_A$ 4-pole $\infty \neq$	0.001 $\Omega$ to 0.1 $\Omega$	0.001 $\Omega$ to 199.9 $\Omega$	$\pm$ (7 % rdg + 3 d)	$\pm$ (10 % rdg + 5 d)

#### Measuring principle: Stakeless measurement of resistance in closed loops using two current transformers

Measuring voltage	$V_m = 48$ V ac (primary)
Measuring frequency	128 Hz (125 Hz on request)
Noise current ( $I_{EXT}$ )	Max. $I_{EXT} = 10$ A (ac) ( $R_A < 20$ $\Omega$ ) Max. $I_{EXT} = 2$ A (ac) ( $R_A > 20$ $\Omega$ )

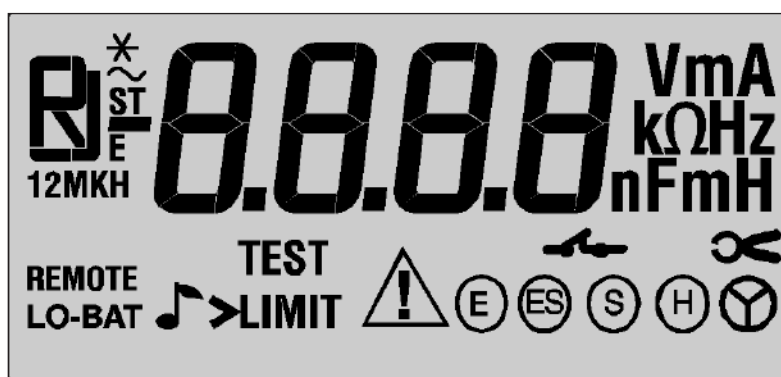
Automatic range selection

The information regarding stakeless ground loop measurements is only valid when used in conjunction with the recommended current clamps at the minimum distance specified.

## 1625 Specifications

### General

<b>Description</b>	Microprocessor controlled, fully automated earth measuring instrument with additional functions
<b>Measuring function</b>	Interference voltage and frequency, earthing resistance 3- and 4-pole with/without clip-on current transformer, resistance 2-pole with ac, 2- and 4-pole with dc
<b>Display</b>	4 digit (2999 Digit) - 7 segment liquid crystal display, digit size 18 mm (0.71 in) with supplementary signs and active illumination
<b>Operation</b>	Central rotary switch and function keys



### Temperature ranges

<b>Working temperature range</b>	-10 °C to 50 °C (14° F to 122° F)
<b>Operating temperature range</b>	0 °C to 35 °C (32° F to 95° F)
<b>Nominal temperature range</b>	18 °C to 28 °C (64° F to 82° F)
<b>Storage temperature range</b>	-30 °C to 60 °C (-22° F to 140° F)

**Note:** The chart of four temperature ranges for the instrument exist 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.

<b>Temperature coefficient</b>	± 0.1 % of range/Kelvin
<b>Operating errors</b>	Refer to operating temperature range and $R_H < 20 R_E$ , $R_S < 100 R_E$

The maximum percentage operating error within the measurement range does not exceed ± 30 % with the measured value as fiducial value, as determined in accordance with Table 1 in the 1625 Users Manual.

The operating error applies under the rated operating conditions given in IEC1557-1 and the following:

- injection of series interference voltages with system frequencies of 400 Hz, 60 Hz, 50 Hz,  $16^{2/3}$  Hz or with dc voltage respectively across the terminals E (ES) and S. The rms value of the series interference voltage shall be 3 V;
- resistance of the auxiliary earth electrode and of the probes: 0 to  $100 \times R_A$  but  $\leq 50 \text{ k}\Omega$ ;
- system voltages between 85 % and 110 % of the nominal voltage and between 99 % and 101 % of the nominal system frequency for measuring equipment with a mains supply and/or measuring equipment deriving its output voltage directly from the distribution system.

<b>Limits of error</b>	Refer to nominal temperature range
<b>Climate class</b>	C1 (IEC 654-1), -5 °C to 45 °C, 5 % to 95 % RH
<b>Type of protection</b>	IP56 for case, IP40 for battery door according to EN60529
<b>Max voltage</b>	$\Delta$ socket $\rightarrow$ socket $\text{E} \text{S} \text{S} \text{H}$
	$U_{\text{rms}} = 0 \text{ V}$
	Sockets " $\text{E} \text{S} \text{S} \text{H}$ " to each other in any combination, max. $U_{\text{rms}} = 250 \text{ V}$ (pertains to misuse)
<b>EMC (Emission Immunity)</b>	IEC 61326-1:1997 Class A
<b>Quality standard</b>	Developed, designed and manufactured to comply with DIN ISO 9001
<b>External field influence</b>	Complies with DIN 43780 (8/76)
<b>Auxiliary power</b>	6 x 1.5 V alkali-manganese-batteries (IEC LR6 or type AA )
<b>Battery life span</b>	With IEC LR6/type AA: typ. 3,000 measurements ( $R_E + R_H \leq 1 \text{ k}\Omega$ )
	With IEC LR6/type AA : typ. 6,000 measurements ( $R_E + R_H > 10 \text{ k}\Omega$ )
<b>Dimensions (WxHxD)</b>	250 mm x 133 mm x 187 mm (9.75 in x 5.25 in x 7.35 in)
<b>Weight</b>	$\leq 1.1 \text{ kg}$ (2.43 lb) without accessories
	$\leq 5.5 \text{ kg}$ (12.13 lb) incl. accessories and batteries in carrying case
<b>Case material</b>	NORYL, shock -and scratch proof thermoplast

## Measurement of interference voltage dc + ac ( $U_{\text{ST}}$ )

<b>Measuring Limits of error: method</b>	Fullwave rectification			
<b>Measuring Range</b>	<b>Display Range</b>	<b>Resolution</b>	<b>Frequency Range</b>	<b>Limits of Error</b>
1 V to 50 V	0.0 V to 50 V	0.1 V	dc/ac 45 Hz to 400 Hz sine	$\pm (5 \% \text{ of rdg} + 5 \text{ digit})$
<b>Measuring sequence</b>	approx. 4 measurements/s			
<b>Internal resistance</b>	approx. 1.5 M $\Omega$			
<b>Max. overload</b>	$U_{\text{rms}} = 250 \text{ V}$			

## Measurement of interference frequency (F)

<b>Measuring method</b>	Measurement of oscillation period of the interference voltage			
<b>Measuring Range</b>	<b>Display Range</b>	<b>Resolution</b>	<b>Range</b>	<b>Limits of Error</b>
6.0 Hz to 400 Hz	16.0 Hz to 299.9 Hz to 999 Hz	0.1 Hz to 1 Hz	1 V to 50 V	$\pm (1 \% \text{ of rdg} + 2 \text{ digit})$

## Earthing resistance ( $R_E$ )

<b>Measuring method</b>	Current and voltage measurement with probe as IEC61557-5
<b>Open circuit voltage</b>	20/48 V, ac
<b>Short circuit current</b>	250 mA ac
<b>Measuring frequency</b>	94, 105, 111, 128 Hz selected manually or automatic. (AFC) 55 Hz in function R*
<b>Noise rejection</b>	120 dB (16 <sup>2/3</sup> , 50, 60, 400 Hz)
<b>Max. overload</b>	$U_{\text{rms}} = 250 \text{ V}$


## Electrical measurement specifications

Intrinsic error or influence quantity	Reference conditions or specified operating range	Designation code	Requirements or test in accordance with the relevant parts of IEC 1557	Type of test
Intrinsic error	Reference conditions	A	Part 5, 6.1	R
Position	Reference position ± 90°	E1	Part 1, 4.2	R
Supply voltage	At the limits stated by the manufacturer	E2	Part 1, 4.2, 4.3	R
Temperature	0 °C and 35 °C	E3	Part 1, 4.2	T
Series interference voltage	See 4.2 and 4.3	E4	Part 5, 4.2, 4.3	T
Resistance of the probes and auxiliary earth electrodes	0 to 100 x R <sub>A</sub> but ≤ 50 kΩ	E5	Part 5, 4.3	T
System frequency	99 % to 101 % of the nominal frequency	E7	Part 5, 4.3	T
System voltage	85 % to 110 % of the nominal voltage	E8	Part 5, 4.3	T
Operating error	$B = \pm( A  + 1,15 \sqrt{E_1^2 E_2^2 E_3^2 E_4^2 E_5^2 E_6^2 E_7^2 E_8^2})$		Part 5, 4.3	R
A = intrinsic error En = variations R = routine test T = type test		$B[\%] = \pm \frac{B}{\text{fiducial value}} \times 100 \%$		

Measuring Range	Display Range	Resolution	Intrinsic Error	Max. Operating Error
0.020 Ω to 300 kΩ	0.001 Ω to 2.999 Ω	0.001 Ω	± ( 2 % of rdg + 2 digit )	± ( 5 % of rdg + 5 digit )
	3.00 Ω to 29.99 Ω	0.01 Ω		
	30.0 Ω to 299.9 Ω	0.1 Ω		
	0.300 kΩ to 2.999 kΩ	1 Ω		
	3.00 kΩ to 29.99 kΩ	10 Ω		
	30.0 kΩ to 299.9 kΩ	100 Ω		

<b>Measuring time</b>	typ. 8 sec. with a fixed frequency 30 sec. max. with AFC and complete cycle of all measuring frequencies
<b>Additional error because of probe- and auxiliary earth electrode resistance</b>	$\frac{R_H (R_S + 2000 \Omega)}{R_E} \times 1.25 \times 10^{-6} \% + 5 \text{ digits}$
<b>Measuring error of RH and RS</b>	typ. 10 % of R <sub>E</sub> + R <sub>S</sub> + R <sub>H</sub>
<b>Max. probe resistance</b>	≤ 1 MΩ
<b>Max. auxiliary earth electrode resistance</b>	≤ 1 MΩ

Automatic check if error is kept within the limits required by IEC61557-5.

If after a measurement of probe-, auxiliary earth electrode- and earthing resistance, a measurement error of higher than 30 % is assumed because of the influencing conditions (see diagram), the display shows a warning symbol  and a notice that R<sub>S</sub> or R<sub>H</sub> are too high.

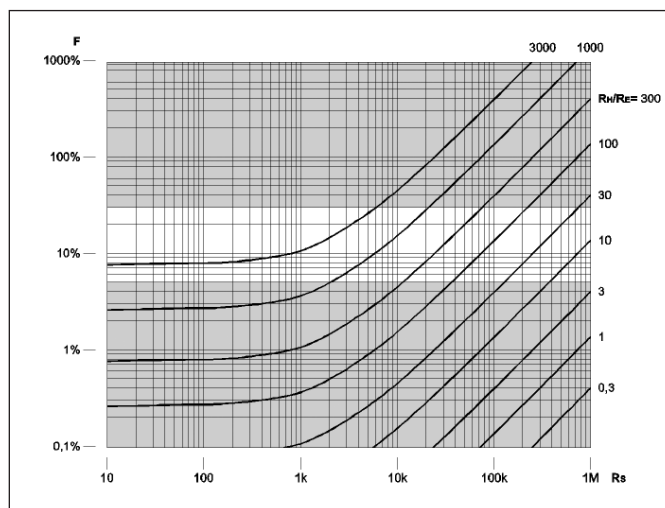


**Automatic switchover of measuring resolution in dependence to auxiliary earth electrode resistance  $R_H$**

RH with $U_{meas} = 48\text{ V}$	RH with $U_{meas} = 20\text{ V}$	Resolution
< 300 $\Omega$	< 250 $\Omega$	1 m $\Omega$
< 6 k $\Omega$	< 2.5 k $\Omega$	10 m $\Omega$
< 60 k $\Omega$	< 25 k $\Omega$	100 m $\Omega$
< 600 k $\Omega$	< 250 k $\Omega$	1 $\Omega$

**Selective measurement of the earthing resistance ( $R_E \gg C$ )**

<b>Measuring method</b>	Current and voltage measurement with probe as per EN61557-5 and current measurement in the individual branch with additional current transformer (patent applied for).
<b>Open circuit voltage</b>	20/48 V ac
<b>Short circuit current</b>	250 mA ac
<b>Measuring frequency</b>	94, 105, 111, 128 Hz selected manually or automatically (AFC), 55 Hz (R*)
<b>Noise rejection</b>	120 dB ( $16^{2/3}$ , 50, 60, 400 Hz)
<b>Max. overload</b>	Max. $U_{rms} = 250\text{ V}$ (measurement will not be started)



Measuring Range	Display range	Resolution	Intrinsic error*	Operating error*
0.020 $\Omega$ to 30 k $\Omega$	0.001 to 2.999 $\Omega$	0.001 $\Omega$	$\pm (7\% \text{ of rdg} + 2 \text{ digit})$	$\pm (10\% \text{ of rdg} + 5 \text{ digit})$
	3.00 to 29.99 $\Omega$	0.01 $\Omega$		
	30.0 to 299.9 $\Omega$	0.1 $\Omega$		
	0.300 to 2.999 k $\Omega$	1 $\Omega$		
	3.00 to 29.99 k $\Omega$	10 $\Omega$		

\* With recommended current clamps/transformers.

<b>Additional error because of probe- and auxiliary earth typ. electrode resistance</b>	$\frac{R_H (R_S + 2000 \Omega)}{R_{ETOTAL}} \times 1.25 \times 10^{-6} \% + 5 \text{ digits}$	
<b>Measuring error of <math>R_H</math> and <math>R_S</math></b>	Typ. of 10 % of $R_{ETOTAL} + R_S + R_H$	
<b>Measuring time</b>	Typ. 8 sec. with a fixed frequency 30 sec. max. with AFC and complete cycle of all measuring frequencies	
<b>Minimal current in single branch to be measured</b>	0.5 mA	With transformer (1000:1)
	0.1 mA	With transformer (200:1)
<b>Max. interference current through transformer</b>	3 A	With a transformer (1000:1)



## Resistance measurement (R~)

<b>Measuring method</b>	Current and voltage measurement
<b>Measuring voltage</b>	20 V ac, square pulse
<b>Short circuit current</b>	> 250 mA ac
<b>Measuring frequency</b>	94, 105, 111, 128 Hz selected manually or automatically (AFC)

Measuring range	Display range	Resolution	Intrinsic error	Operating errors
0.020 Ω to 300 kΩ	0.001 Ω to 2.999 Ω	0.001 Ω	± (2 % of rdg + 2 digit)	± (5 % of rdg + 5 digit)
	3.0 Ω to 29.99 Ω	0.01 Ω		
	30 Ω to 299.9 Ω	0.1 Ω		
	300 Ω to 2999 Ω	1 Ω		
	3.0 kΩ to 29.99 kΩ	10 Ω		
	30.0 kΩ to 299.9 kΩ	100 Ω		

<b>Measuring time</b>	typ. 6 sec.
<b>Max. interference voltage</b>	24 V, with higher voltages measurement will not be started
<b>Max overload</b>	U <sub>rms</sub> max. = 250 V

## Resistance measurement (R=)

<b>Measuring method</b>	current- voltage measurement as per IEC61557-4 possible
<b>Open circuit voltage</b>	20 V dc
<b>Short circuit current</b>	200 mA dc
<b>Formation of measured value</b>	with 4-pole measurement wires on H, S, ES can be extended without additional error. Resistances > 1 Ω in wire E can cause additional error of 5m Ω/Ω.

Measuring range	Display range	Resolution	Intrinsic error	Operating error
0.020 Ω to 3 kΩ	0.001 Ω to 2.999 Ω	0.001 Ω	± (2 % of rdg + 2 digit)	± (5 % of rdg + 5 digit)
	3.0 Ω to 29.99 Ω	0.01 Ω		
	30.0 Ω to 299.9 Ω	0.1 Ω		
	300 Ω to 2999 Ω	1 Ω		

<b>Measuring sequence</b>	Approx. 2 measurements/s
<b>Measuring time</b>	Typ. 4 sec. incl. reversal of polarity (2-pole or 4-pole)
<b>Max. interference voltage</b>	≤ 3 V ac or dc, with higher voltages measurement will not be started
<b>Max inductivity</b>	2 Henry
<b>Max. overload</b>	U <sub>rms</sub> = 250 V

## Compensation of lead resistance (R<sub>k</sub>)

Compensation of lead resistance (R <sub>k</sub> ) can be switched on in functions R <sub>3</sub> , 3-pole, R <sub>4</sub> , 4-pole <b>&gt;C</b> , R~ , and R= 2-pole	
<b>Formation of measured value</b>	R <sub>display</sub> = R <sub>measured</sub> - R <sub>compensated</sub> *

\* Value of setpoint entry R<sub>k</sub> = 0.000 Ω, variable from 0.000 to 29.99 Ω by means of measuring adjustment.

**Selection guide by user**

	Field Service Technician	Industrial Maintenance Technician	Power Utilities and Telecom
Fluke 1623	•	•	
Fluke 1625		•	•

**Standard earth ground test methods**

	Fall of Potential		Selective	Stakeless
	3-pole	4-pole/soil	1 clamp	2 clamps
Fluke 1623	•	•	•	•
Fluke 1625	•	•	•	•

**Ordering information**

Fluke-1623 Kit	Basic GEO Earth Ground Tester Kit
Fluke-1623	Basic GEO Earth Ground Tester
EI-1623	Selective/Stakeless Clamp Set for 1623
Fluke-1625 Kit	Advanced GEO Earth Ground Tester Kit
Fluke-1625	Advanced GEO Earth Ground Tester
EI-1625	Selective/Stakeless Clamp Set for 1625

**Optional accessories**

ES-162P3	Stake Set for 3-Pole Measurement
ES-162P4	Stake Set for 4-Pole Measurement
Earth Stake	Ground/Earth Stake
Cable-Reel 25 m	Ground/Earth Cable Reel 25 m (81.25 ft)
Cable-Reel 50 m	Ground/Earth Cable Reel 50 m (162.5 ft)
EI-162BN	320 mm (12.6 in) Split Core Transformer



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**Fluke Corporation**  
 PO Box 9090, Everett, WA USA 98206  
 Fluke Europe B.V.  
 PO Box 1186, 5602 BD  
 Eindhoven, The Netherlands  
 For more information call:  
 In the U.S.A. (800) 443-5853 or  
 Fax (425) 446-5116  
 In Europe/M-East/Africa +31 (0) 40 2675 200 or  
 Fax +31 (0) 40 2675 222  
 In Canada (800) 36-FLUKE or  
 Fax (905) 890-6866  
 From other countries +1 (425) 446-5500 or  
 Fax +1 (425) 446-5116  
 Web access: <http://www.fluke.com>

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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.