



**TEST**  $\sim / \equiv$  **LOCK ZERO**

**REC**  $\blacktriangle$  **HOLD**  $\blacktriangledown$

$\Omega$   $\approx V$   $\approx \Omega$   $\approx V$   $\approx \Omega$   $\approx V$   $\approx \Omega$

**250V** **500V** **1000V**

**OFF**

**MΩ** **GΩ** **KΩ** **MΩ** **MΩ** **GΩ**



# CENTER 365 INSULATION TESTER

## FEATURES

★ **NEW!**

- Insulation test range up to 20GΩ.
- Test voltages of 50V, 100V, 250V, 500V and 1000V for insulation test.
- >1mA Short-Circuit Test current for insulation test.
- Live circuit detection.
- Open Circuit Test Voltage > 4V and Short-Circuit current > 200mA for LoΩ test.
- Power Source: size AA batteries (IEC LR6) X 4 pcs

## SPECIFICATIONS

- **Auto Power Off:** Approx. 10 minutes.
- **Approvals:** EN61010 600V CAT IV
- **Electromagnetic Compatibility:** EN61326-1
- **Dimensions / Weight:** 206(L) x 90(W) x 51(H) mm / Approx. 510g (with holster & battery)
- **Accessories:** Test lead, large jaw alligator clips, batteries, holster, carrying case, instruction manual
- **Insulation resistance measurement:**

Insulation test voltage	Range	Accuracy
50V	300KΩ / 3.00MΩ / 30.0MΩ / 300MΩ / 1.00GΩ	± (3%rdg+5dgts) (30KΩ ~ 1.00GΩ)
100V	600KΩ / 6.00MΩ / 60.0MΩ / 600MΩ / 2.00GΩ	± (3%rdg+5dgts) (60KΩ ~ 2.00GΩ)
250V	1.50MΩ / 15.0MΩ / 150MΩ / 1.50GΩ	± (3%rdg+5dgts) (0.15MΩ ~ 1.50GΩ)
	5.0GΩ	± (10%rdg+3dgts)
500V	3.00MΩ / 30.0MΩ / 300MΩ / 3.00GΩ	± (3%rdg+5dgts) (0.30MΩ ~ 3.00GΩ)
	10.0GΩ	± (10%rdg+3dgts)
1000V	6.00MΩ / 60.0MΩ / 600MΩ / 6.00GΩ	± (3%rdg+5dgts) (0.60MΩ ~ 6.00GΩ)
	20.0GΩ	± (10%rdg+3dgts)

### AC/DC voltage:

Range	Resolution	Accuracy (AC: 45~500Hz)	Protection
60.00V/600.0V	0.01V/0.1V	±2%rdg+5dgts	600Vrms

### Resistance:

Range	Resolution	Accuracy	Protection
600.0Ω/6.000KΩ/60.00KΩ/600.0KΩ	0.1Ω/0.001KΩ/0.01KΩ/0.1KΩ	2%rdg+5dgts	600Vrms

### Continuity:

Range	Resolution	Beeper	Protection
600.0Ω	0.1Ω	≤ 7Ω±1Ω	600Vrms

### LoΩ:

Range	Resolution	Accuracy
6.00Ω/60.0Ω	0.01Ω/0.1Ω	2%rdg+3dgts



**CENTER**<sup>®</sup>  
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\* The specifications and other information in this catalogue are subject to change without prior notice.

Distributed by:

**CENTER 362** Autoranging Insulation Tester (Datalogger, PC Interface)

CENTER 361/362 are our now generation insulation testers. CENTER 362 has the measuring range up to 200G Ohm with the test voltage 250 to 1000V. CENTER 361 is focus on low test voltage application like mining or telecommunication business. Its measuring range starts from 0 to 100G Ohm with 50V test source. Both models have 500mA source for resistance measuring to ensure contact condition on switches.



**FEATURES:**

- 4 Digits LCD Display
- Auto Range For All Function
- 60 Segment Analog Display
- Test Hold Function For Easy Operation
- 0.01Ω For Low R Range
- 20MΩ For Resistance Measurement
- 400GΩ For Insulation Measurement
- PC Interface With Software
- Datalogger With 10,000 Records



**SPECIFICATIONS**

Function	Range	Resolution	Accuracy
ACV	600V	0.1V	1.5%rdg+3dgt
DCV	600V	0.1V	1%rdg+3dgt
Resistance(KR/MR)	40Ω ~ 20MΩ	0.01Ω ~ 100KΩ	1%rdg+2dgt
Insulation(MR/GR) (250V/500V/1000V)	250K ~ 100GΩ	1KΩ ~ 100MΩ	±(2%rdg+3dgt) ≤ 20GΩ
	500K ~ 200GΩ	1KΩ ~ 1GΩ	±(3%rdg+3dgt) ≤ 100GΩ
	1M ~ 400GΩ	1KΩ ~ 1GΩ	±(5%rdg+3dgt) ≤ 200GΩ ±(10%rdg+3dgt) ≤ 400GΩ
Continuity	40Ω	0.01Ω	1%rdg+2dgt
·))	Active Sound Level: ≤ 40Ω		
Sampling Rate	2 times/sec digital display; 10 times/sec bar graph		
Power Source	1.5V size AA battery x 8		
Dimensions	222x122x68 mm		
Weight	Approx. 870g		



**CENTER 361** Autoranging Insulation Tester



**FEATURES:**

- 4 Digits LCD Display
- Auto Range For All Function
- Test Hold Function For Easy Operation
- 0.01Ω For Low R Range
- 20MΩ For Resistance Measurement
- 100GΩ For Insulation Measurement
- Capacitance Measurement
- Cable Distance Measurement
- 50V/100V/250V For Insulation Measurement Voltage

**SPECIFICATIONS**

Function	Range	Resolution	Accuracy
ACV/DCV	600V	0.1V	1%rdg+3dgt
ACA/DCA	400mA/600mA	0.1mA ~ 1mA	3%rdg+1dgt
Resistance(KR/MR)	40Ω ~ 20MΩ	0.01Ω ~ 100KΩ	1%rdg+2dgt ≤ 2M 2%rdg+2dgt ≤ 20M
Insulation(MR) (50V/100V/250V)	50K ~ 20GΩ	0.1KΩ ~ 100MΩ	±(3%rdg+3dgt) ≤ 10GΩ ±(5%rdg+3dgt) ≤ 20GΩ
	100K ~ 40GΩ	0.1KΩ ~ 100MΩ	±(3%rdg+3dgt) ≤ 10GΩ ±(5%rdg+3dgt) ≤ 40GΩ
	250K ~ 100GΩ	0.1KΩ ~ 100MΩ	±(2%rdg+3dgt) ≤ 10GΩ ±(3%rdg+3dgt) ≤ 50GΩ ±(5%rdg+3dgt) ≤ 100GΩ
Capacitance (→)	40uF		3%rdg+1dgt
Distance	80km		3%rdg
Continuity	≤ 40Ω	0.01Ω	1%rdg+2dgt
·))	Active Sound Level: ≤ 40Ω		





When doing power installation, CENTER 360 can provide some special helps. When doing insulation test, it can provide 250V, 500V and 1000V source for the test and under each range it can supply more 1mA current to feed the capacitance load. With the autorange function, it can measure up to 4000 MegaOhm with the resolution of 1K Ohm.

When doing the continuity test, the tester can source 200mA to distinguish the bad connections. By its built-in autorange function, on the same function range it can measure up to 4K Ohm with resolution of 0.1 Ohm.

These characteristics are also specified in the safety regulations in CE document.

### FEATURES:

- 4 Digits LCD Display
- Auto Range For MΩ & Ω
- 40 Segments Analog Display
- Test Hold Function For Easy Operation
- Automatic Zero To Null Lead Resistance
- Easy To Carry
- Discharge Indication Beeper For MΩ Range
- > 1mA Test Current For MΩ Range At Rated Voltage
- > 200mA Short Current For Continuity Range



### SPECIFICATIONS

Function	Range	Resolution	Accuracy
ACV	600V	0.1V	1.5%rdg + 3dgt
DCV	600V	0.1V	1%rdg + 3dgt
Ω	400Ω ~ 4000Ω	0.1Ω ~ 1Ω	1%rdg + 5dgt
MΩ	4/40/400/4000MΩ (250V/500V/1000V)	1KΩ ~ 1MΩ	3%rdg + 5dgt
·))	Active Sound Level: ≤ 40Ω		
Display	76x42mm LCD panel with 40 segments analog bar indication.		
Sampling Rate	2.5 times/sec digital display; 10 times/sec bar graph		
Power Source	1.5V size AA battery x 8		
Dimensions	196x112x64 mm		
Weight	700g		

## The comparison table of 360/361/362 Insulation Tester

### FUNCTION TABLE

MODEL	ACV/DCV	ACmA/DCmA	Resistance Measurement	Insulation Measurement	Autorane	Test Hold	Analog Display	Low R Range	PC Interface	Datalogger
CENTER 360	●		4KΩ	4GΩ	for MΩ/Ω	●	40 segment	0.1Ω		
CENTER 361	●	●	20MΩ	100GΩ	All	●	60 segment	0.01Ω		
CENTER 362	●		20MΩ	400GΩ	All	●	60 segment	0.01Ω	●	●

### STANDARD ACCESSORIES

MODEL	Operation Manual	Test Lead	Large Jaw Alligator Clip	Battery	Carrying Case	Software	USB Cable
CENTER 360	●	●	●	●	●		
CENTER 361	●	●	●	●	●		
CENTER 362	●	●	●	●	●	●	●