

# ***ALL-IN-ONE DMM & CABLE TESTERS***

**TCT-910**



**CE**

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## Feature :

- The Unique and Smart Meter Design
- 3.5" TFT-LCD with Touch Panel
- Rechargeable
- Flashlight
- Shock Absorbable

## Description :

### • The Unique and Smart Meter Design

TCT-910 is the Unique and Smart design in the world by 3.5" TFT-LCD with Touch Panel.

### • 3.5" TFT-LCD with Touch Panel

- 3.5" TFT-LCD (320\*240) dots Colors with (Back Light + Touch Panel).
- TFT-LCD with Touch Panel for Display the Contents and Enter what function will you wanted.
- Keyboard less to select the operating function by touch the function pattern on the LCD.

### • DMMs (Multi-Meter) Function

- High Class ADC with 14bit ADC (High Resolution of ADC)
- Multi-Meter items as below:

Voltage : AC, DC (0 ~ 600 V)

OHM : 0 ~ 40 MΩ

Continuity : 0 ~ 400 Ω ; beeps at < 25 Ω

Temperature : (-20 ~ +250 °C), (-4 ~ +482 °F)

Diode Test : 0 ~ 2.4V (Forward Bias)

Current : AC, DC (0 ~ 10 A)

Capacitance : 1nF ~ 100 uF

Frequency : 0 ~ 99.99 KHz

### • Cable Testers Function

- Cables Feature is Variant so you can ODM us for to do your Cables Test.
  - Maybe TCT-910 do Cable test is not perfect for your expect,  
Because Cable are many different kinds in the Market,  
So that our database will been building continually...
- Has been test in our Lab which Base on (CAT.5e FTP) Cable Length (1~300) Meter.
  - Cable Tester able to identify the condition as below list:  
LAN Cable with (RJ-45) : (Pass, Open, Short, Cross, Split)  
TEL Cable with (RJ-11/12) : (Pass, Open, Short, Cross)  
Coax Cable with (F/BNC) : (Pass, Open, Short)
  - Cable Tester able to Measure the Length of Cables as below list:  
LAN Cable Length Range of measurement: More than (300 Meters)(1,000 Feet).  
Coax Cable Length Range of measurement: More than (300 Meters)(1,000 Feet).

### • Rechargeable

- Rechargeable Battery(3.7V, 2700mAh) inside that is Convenient for using.
- Standard Micro-USB Jack for Power(DC 5V) Input to Charge the Inside Battery.

### • Flashlight

- Employ the White color with High Light LED for Lighting.

### • Shock Absorbable

- Structures are designed to avoid breakdown that impact force from anyway or drop down accidentally.

### • Auto Power OFF

- Auto Power OFF function for power save that (Timers) are many Kinds Setting for Auto Power OFF.

# Safety Compliances

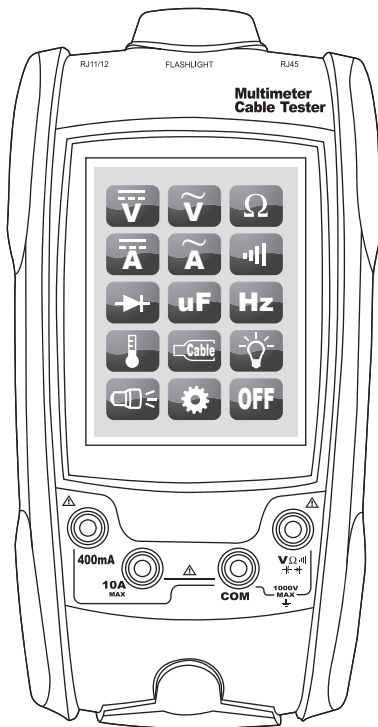
- IEC 61010 to 1000 V Measurement Category III, 600 V Measurement Category IV

# Certifications

- Rohs, CE, ETL

# Overview

- Picture of Profile



## ● Consist

### ● Main Body

#### ● RJ45 Port

Data cable, ethernet cable, 8-wire cable, 4 twisted pair cable, Cat5, Cat5e, Cat6, Cat7.

#### ● RJ11/12 Port

Phone cable, POTS (plain old telephone service) cable, 4-wire cable, 6-wire cable, 2 twisted pair cable, 3 twisted pair cable, Cat3.

### ● Self-Storing Remote

#### ● RJ45 Port

Data cable, ethernet cable, 8-wire cable, 4 twisted pair cable, Cat5, Cat5e, Cat6, Cat7.

#### ● RJ11/12 Port

Phone cable, POTS (plain old telephone service) cable, 4-wire cable, 6-wire cable, 2 twisted pair cable, 3 twisted pair cable, Cat3.

### ● Accessory

#### ● Probe Cable (DMMs)

(Red Probe lead) \*1, (Black Probe lead) \*1, For DMMs(V,A,R,...) Measuring.

#### ● Kits of Coax Port \* 2

(RJ45 Port to F-Connector Port) Video cable, coaxial cable, RG6 cable, RG59 cable.

#### ● Kits of BNC Port \* 2

(RJ45 Port to BNC Port) Video cable, coaxial cable, RG6 cable, RG59 cable.

#### ● Kits of USB Port \* 2 (Option)

(RJ45 Port to USB-Male)\*1, (RJ45 Port to USB-Female)\*1, For USB 2.0 Type A cable.

#### ● Sensor of Temperature

K-Type Sensor for the surface Temperature of objects Measuring.

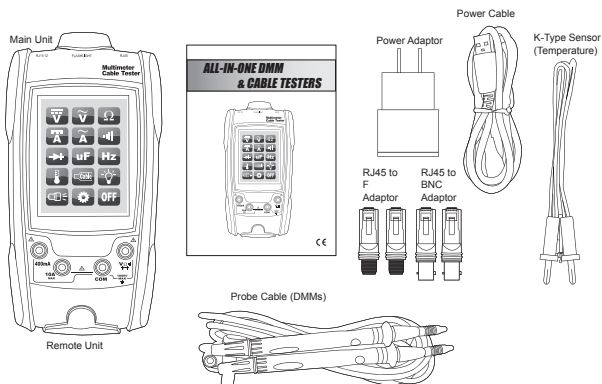
#### ● Power Adaptor

AC(100V ~ 240V) to DC(5V, 1A)(USB-A Type)

#### ● Power Cable

(USB-A Type) to (Micro-USB)

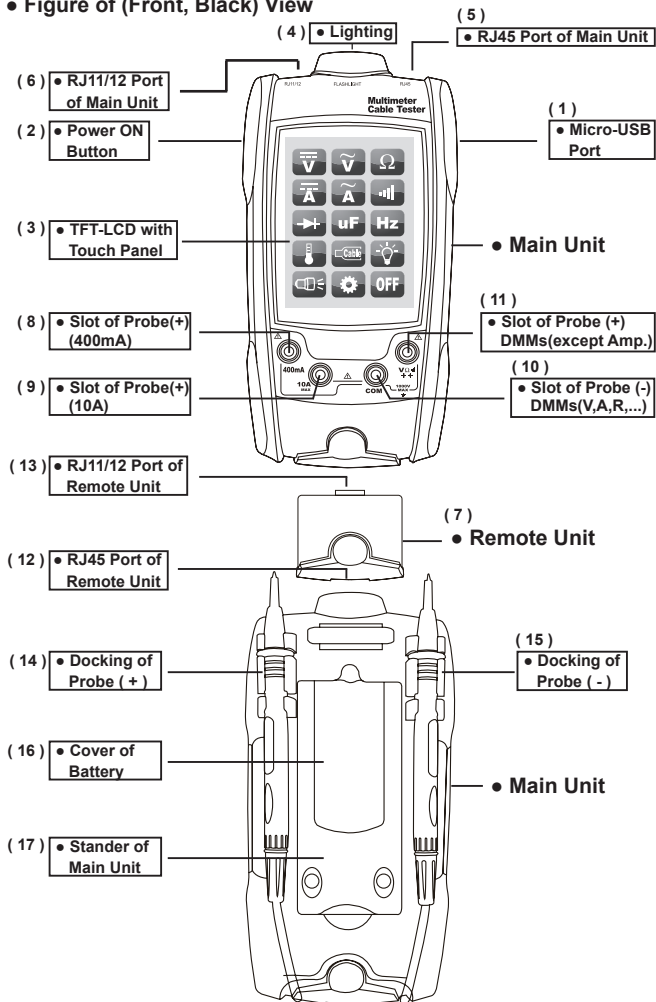
### ● Figure of Consist of TCT-910



## ● List of Devices

- ( 1 ) Micro-USB Port for Battery Power Charging.
- ( 2 ) Power ON Button.  
(Unique & Strong structure Tact Switch)(Push it for Power ON to use)
- ( 3 ) TFT-LCD with Touch Panel. (3.5 Inch TFT LCD with Resistance Touch Panel)
- ( 4 ) Lighting. (Using the 0.5W Ultra Bright LED with Focus Plastic Glass)  
(For Lighting when working in dark area to avoid dangerous even occur)
- ( 5 ) RJ45 Port of Main Body.
- ( 6 ) RJ11/12 Port of Main Body.
- ( 7 ) Remote Unit. (With Both RJ45 and RJ11/12 Port)
- ( 8 ) Slot of Probe(+) for 400mA Measure.
- ( 9 ) Slot of Probe(+) for 10A Measure.
- ( 10 ) Slot of Probe(COM) for DMMs (Volt, Amp, Res, Diode, Cap, Freq, Temp...) Measure.
- ( 11 ) Slot of Probe(+) for DMMs (except Amp)(Volt, Res, Diode, Cap, Freq, Temp...) Measure.
- ( 12 ) RJ45 Port of Remote Unit.
- ( 13 ) RJ11/12 Port of Remote Unit.
- ( 14 ) Docking of Probe(+)(Red)
- ( 15 ) Docking of Probe(-)(Black)
- ( 16 ) Cover of Battery.  
( Remove this Cover for Renew Li-Ion Battery  
when the current Battery is life time Out ).
- ( 17 ) Stander of Main Unit.  
( For Easy to watch by the Stander be pulled off and standing  
when Measuring fixture of objects ).

● Figure of (Front, Black) View



## ● Starting and Using:


### ● Please Use the Multi-Meter & Cable Tester

When it is not Power Charging to Battery from Micro-USB Jack...

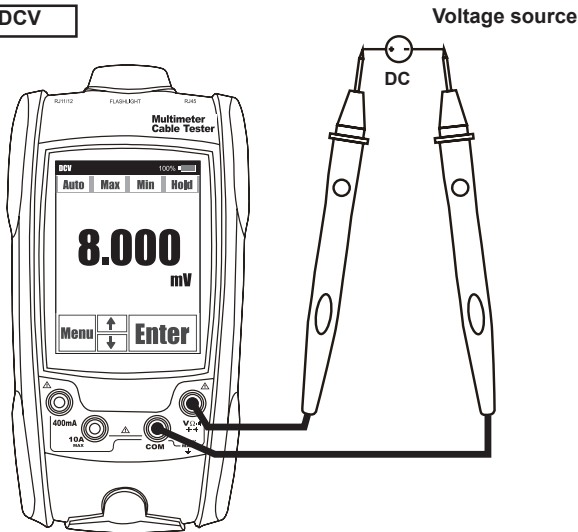
- ⚠ ● Please to Remove all Test (Probe) Leads from any Target of Measuring Before
  - 1). The TCT-910 is System Power OFF.
  - 2). Entry done that you wanted DMM Functions to Measure
  - 3). Will to Change any Functions by touch menu on LCD Display of TCT-910.Otherwise that should be Damage the TCT-910.
- ⚠ ● Be Carefully Take (Probe) Leads to Probe Targets,  
That are must to be met with DMMs Functions has been you setting.
- Push the Power ON Bottom on the left side for Starting the TCT-910.

## ● Main Functions Menu and Using:

### ● Measuring DC Voltage


- Touch the  Icon of Root Menu on the LCM, To Launching the function of Measuring DC Voltage.
- Set up your TCT-910 to Measuring DC Voltage as shown in Figure DCV.
- Probe the test points and read the display.
- Touch the 'Menu' Icon of DCV Measurement on the LCM, to back Root Menu.

**Figure DCV**

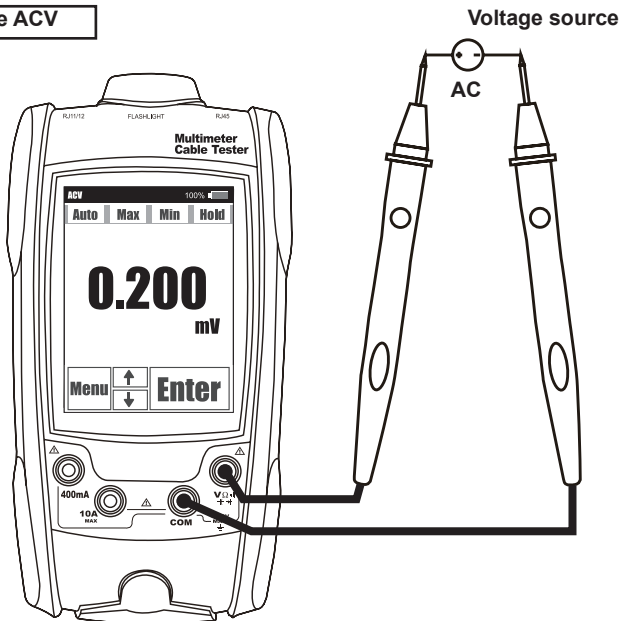





## ● Measuring AC Voltage

- Touch the  Icon of Root Menu on the LCM, To Launching the function of Measuring AC Voltage.
- Set up your TCT-910 to Measuring AC Voltage as shown in Figure ACV.
- Probe the test points and read the display.
- Touch the 'Menu' Icon of ACV Measurement on the LCM, to back Root Menu.

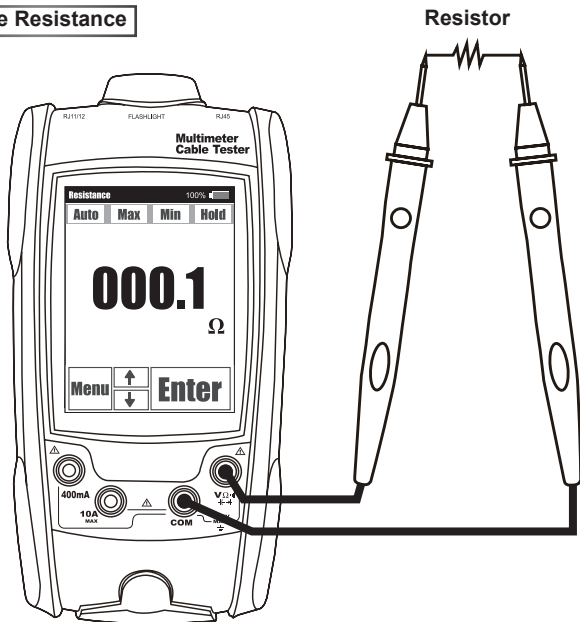
**Figure ACV**




## ● Measuring Resistance

- Touch the  Icon of Root Menu on the LCM, To Launching the function of Measuring Resistance.
- Set up your TCT-910 to Measuring Resistance as shown in Figure Resistance.
- Probe the test points and read the display.
- Touch the 'Menu' Icon of OHM Measurement on the LCM, to back Root Menu.

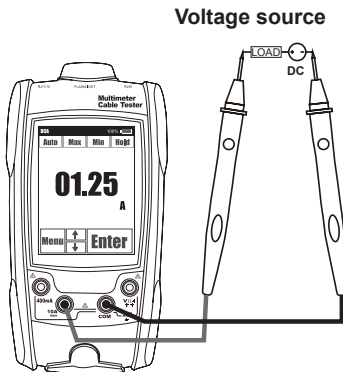
**Figure Resistance**



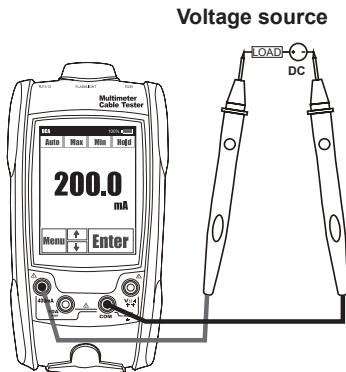
## ● Measuring DC Current

- Touch the  Icon of Root Menu on the LCM, To Launching the function of Measuring DC Current.
- Set up your TCT-910 to Measuring DC Current as shown in Figure DCA Large Current. When you want to Measuring DC Current are more than 280mA. Then touch the 'Enter' Icon of DCA Measurement on the LCM, to swap DCA Unit to 'A' .
- Set up your TCT-910 to Measuring DC Current as shown in Figure DCA Light Current. When you want to Measuring DC Current are less than 280mA. Then touch the 'Enter' Icon of DCA Measurement on the LCM, to swap DCA Unit to 'mA' .
- Probe the test points and read the display.
- Touch the 'Menu' Icon of DCA Measurement on the LCM, to back Root Menu.


**Figure DCA Large Current.**



**Figure DCA Light Current.**

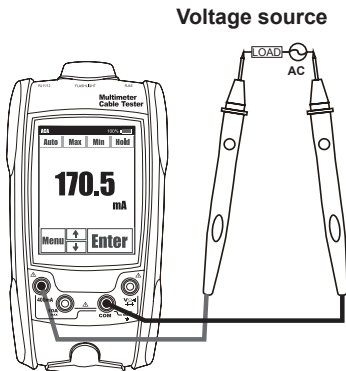
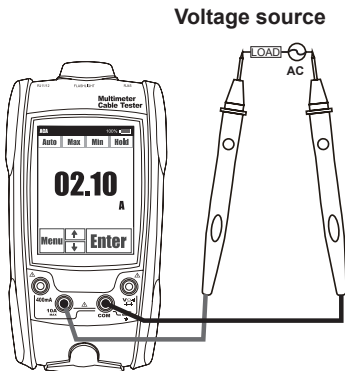


## • Measuring AC Current


- **Extra Must buy a kit of (ACA Converter) for this function to measuring (AC Current).**
- Touch the  Icon of Root Menu on the LCM, To Launching the function of Measuring AC Current.
- Set up your TCT-910 to Measuring AC Current as shown in Figure ACA Large Current. When you want to Measuring AC Current are more than 280mA. Then touch the 'Enter' Icon of ACA Measurement on the LCM, to swap ACA Unit to 'A' .
- Set up your TCT-910 to Measuring AC Current as shown in Figure ACA Light Current. When you want to Measuring AC Current are less than 280mA. Then touch the 'Enter' Icon of ACA Measurement on the LCM, to swap ACA Unit to 'mA' .
- Probe the test points and read the display.
- Touch the 'Menu' Icon of ACA Measurement on the LCM, to back Root Menu.

**Figure ACA Large Current.**

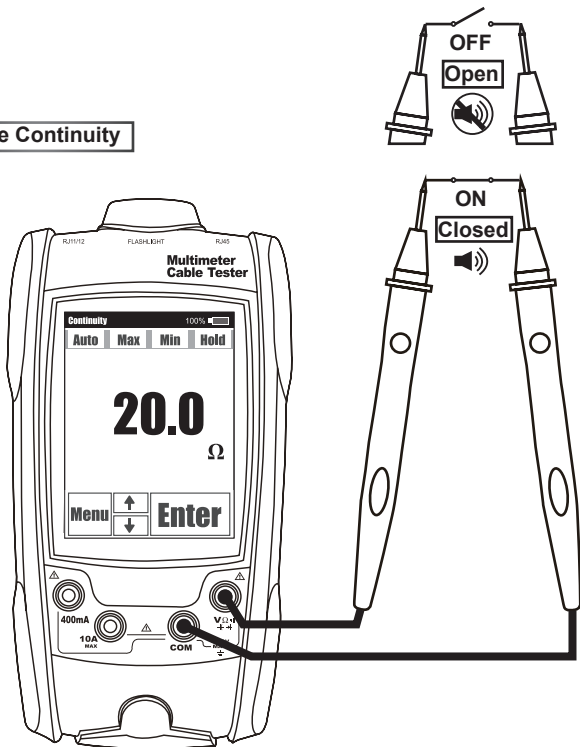
**Figure ACA Light Current.**




## ● Testing for Continuity

- Touch the  Icon of Root Menu on the LCM, To Launching the function of Testing for Continuity.
- Set up your TCT-910 to Testing for Continuity as shown in Figure Continuity.
- Probe the test points and read the display.
- Touch the 'Menu' Icon of Continuity Test on the LCM, to back Root Menu.

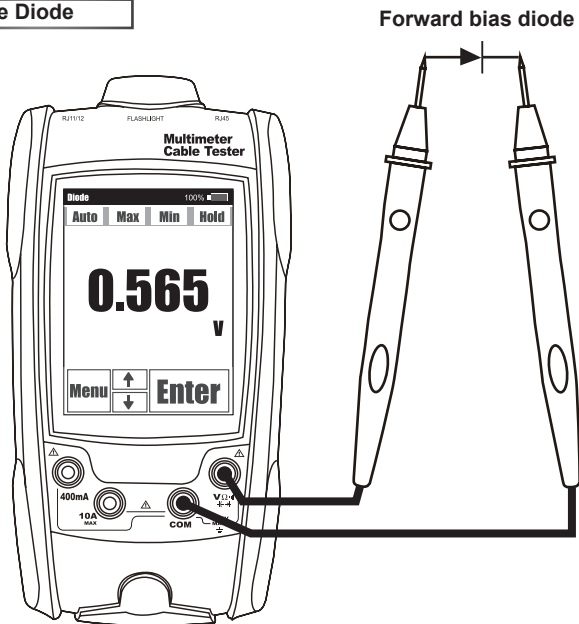
**Figure Continuity**



## • Testing Diodes

- Touch the  Icon of Root Menu on the LCM, To Launching the function of Testing Diodes.
- Set up your TCT-910 to Testing Diodes as shown in Figure Diode.
- Probe the test points and read the display.
- Touch the 'Menu' Icon of Diode Test on the LCM, to back Root Menu.

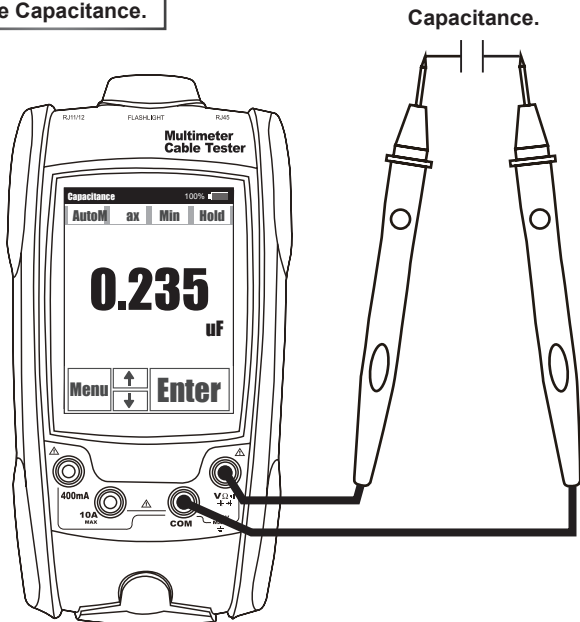
**Figure Diode**



## ● Measuring Capacitance

- Touch the **uF** Icon of Root Menu on the LCM, To Launching the function of Measuring Capacitance.
- Set up your TCT-910 to Measuring Capacitance as shown in Figure Capacitance.
- Probe the test points and read the display.
- Touch the 'Menu' Icon of Capacitance Measurement on the LCM, to back Root Menu.

**Figure Capacitance.**

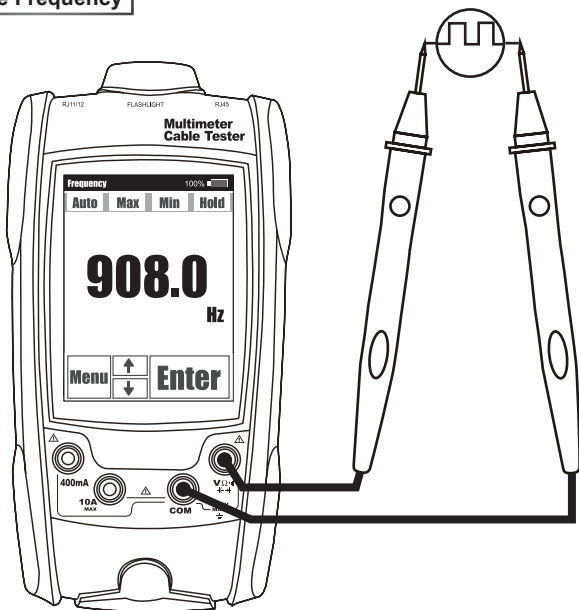


## • Measuring Frequency

- Touch the **Hz** Icon of Root Menu on the LCM, To Launching the function of Measuring Frequency.
- Set up your TCT-910 to Measuring Frequency as shown in Figure Frequency.
- Probe the test points and read the display.
- Touch the 'Menu' Icon of Frequency Measurement on the LCM, to back Root Menu.


### Frequency Source

**Figure Frequency**

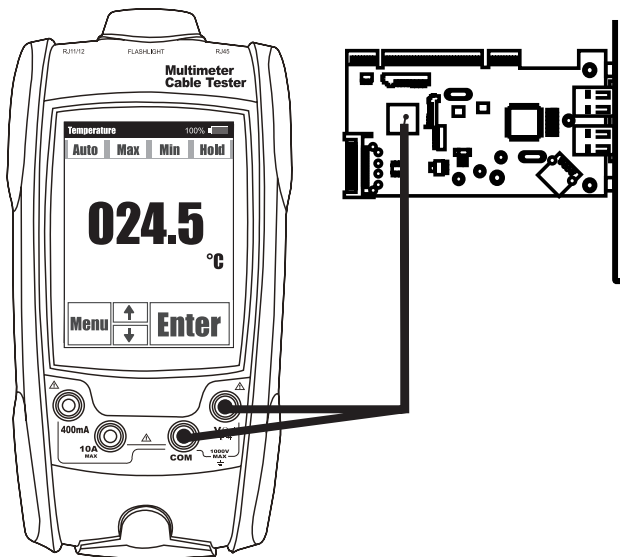





## ● Measuring Temperature

- Touch the  Icon of Root Menu on the LCM, To Launching the function of Measuring Temperature.
- Set up your TCT-910 to Measuring Temperature as shown in Figure Temperature.
- Probe the test points and read the display.
- Touch the 'Menu' Icon of Temperature Measurement on the LCM, to back Root Menu.

**Figure Temperature**



## ● Cables Tester

- Touch the  Icon of Root Menu on the LCM,  
To Launching the function of Cable Tester.
- Setup your TCT-910 to Cable Tester  
As shown in ( Page 26 ) 「 Figure Cable Tester How to Install (LAN)(TEL) 」 .  
As shown in ( Page 27 ) 「 Figure Cable Tester How to Install (COAX) 」 .
- Using the Terminator with the Main Unit to do Cables Test....
- Choice the Kind of Cables
  - Touch the 'Cable' Icon of Cable Tester Menu on the LCM,  
To Launch the function of Cable Kinds choice.
  - Touch the 'UP' or 'Down' Icon of Cable Tester on the LCM,  
To select the Cable Kinds which one of ten(as below items)  
{(Fig 3) (Fig 4) (Fig 5) (Fig 6) (Fig 7) (Fig 8) (Fig 9) (Fig 10) (Fig 11) (Fig 12)}
  - Touch the 'Enter' Icon of Cable Tester on the LCM,  
To decide the choice which one Kind of Cable after you are selected.

### Note.

LAN Cable: (Users) (CAT.5) (CAT.5e) (CAT.6) (CAT.7) → as Fig 3~7

TEL Cable : (TEL 2P) (TEL 4P) (TEL 6P) → as Fig 8~10

Coax Cable: (Coax) → as Fig 11

USB Cable: (USB.A) → as Fig 12

Fig 1

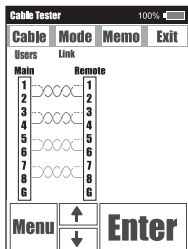


Fig 2

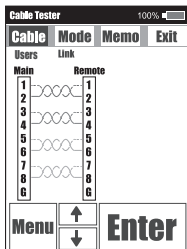


Fig 3

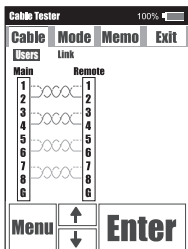


Fig 4

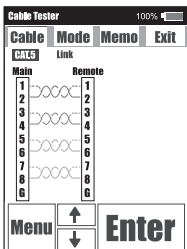


Fig 5

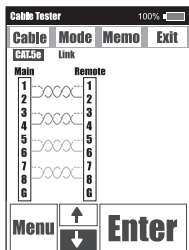


Fig 6

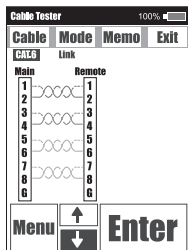


Fig 7

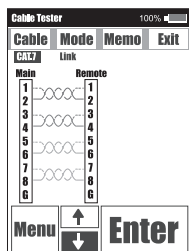


Fig 8

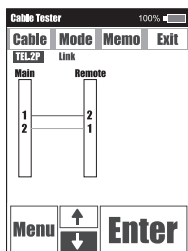


Fig 9

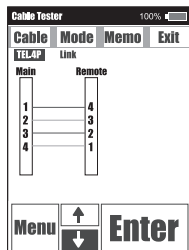


Fig 10

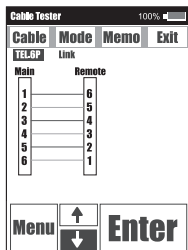


Fig 11

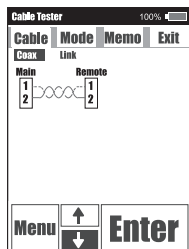
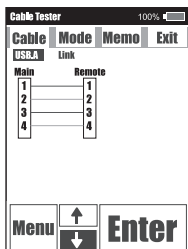
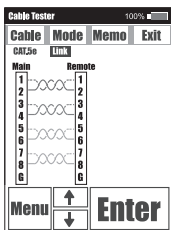


Fig 12

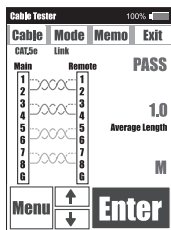


## ● Cable Link Test

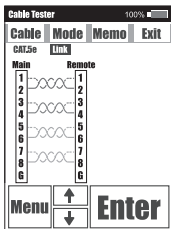
- Choice the Kind of Cables before do this (Cable Link Test) function.
- Choice the Mode of Cable Tester:
  - Touch the 'Mode' Icon of Cable Tester Menu on the LCM, To Launch the function of Mode (Cable Tester) choice.
  - Touch the 'UP' or 'Down' Icon of Cable Tester on the LCM, To select the Mode of Cable Tester which one of three(Link, Length, Toner), Here select the Mode is Link from the three(Link, Length, Toner)
  - Touch the 'Enter' Icon of Cable Tester on the LCM, To decide the choice is Link Test.
- Execute the Link Test of Cables:
  - Touch the 'Enter' Icon of Cable Tester on the LCM, To Execute the Linking Test of Cables
  - You will understand what the status (PASS, OPEN, SHORT, CROSS, SPLIT) is of Cables, After you do the Linking Test of Cables. (Please refer as below Fig...)



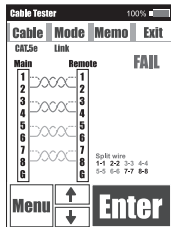
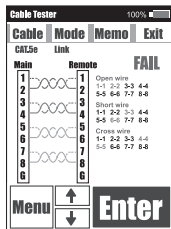
**PASS**



**FAIL**



**FAIL**



## ● Cable Length Measure

- Choice the Kind of Cables before do this (Cable Length Measure) function.
- Choice the Mode of Cable Tester:
  - Touch the 'Mode' Icon of Cable Tester Menu on the LCM, To Launch the function of Mode (Cable Tester) choice.
  - Touch the 'UP' or 'Down' Icon of Cable Tester on the LCM, To select the Mode of Cable Tester which one of three(Link, Length, Toner) Here select the Mode is Length from the three(Link, Length, Toner)
  - Touch the 'Enter' Icon of Cable Tester on the LCM, → as ( Fig 1 ) To decide the choice is Length Measure.
- Execute the Length Measure of Cables:
  - Touch the 'Enter' Icon of Cable Tester on the LCM, To Execute the Length Measure of Cables → as ( Fig 2, 4 )
  - You will understand How the Length is of Cables, After you do the Length Measure of Cables.
  - Touch the 'UP' Icon of Length Test on the LCM, → as ( Fig 3, 5 ) To select the Cable Length are (Average of Pairs) or (each Pairs) in the Cable.
  - Touch the 'Down' Icon of Length Test on the LCM, → as ( Fig 6 ) To select the Cable Length or Conditions of FAIL when Cable has been tested are FAIL.

Fig 1

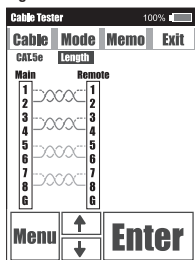


Fig 2

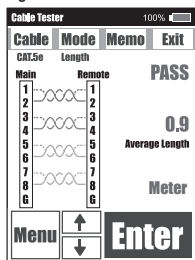


Fig 3

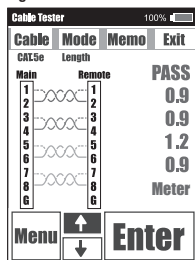


Fig 4

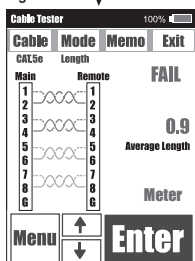


Fig 5

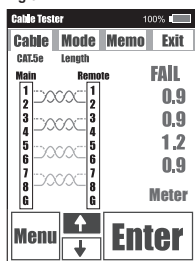
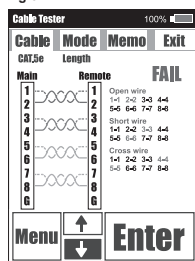


Fig 6



## ● Cable Trace along signals of Toner Output.

- 8 kinds of Toner melody for choice to do Toner Output

8 kinds of Toner melody as below List: → as ( Fig 1~3 )

(Hi Lo 1), (Hi Lo 2), (Hi Lo 3), (Hi Lo 4), (Hi Lo 5), (Hi Lo 6), (Hi), (Lo).

- Variable Pairs of Wires (Cable) for choice to do Toner Output (Channel x = RJ45 Pin x)

→ as ( Fig 4~6 )

Example.

(CAT.5e) for using also you are able to select the one of four as below list:

Pair 1(Channel 1-2), Pair 2(Channel 3-6), Pair 3(Channel 4-5), Pair 4(Channel 7-8).

- Touch the 'Menu' Icon of Cable Tester Measurement on the LCM, to back Root Menu.

Fig 1

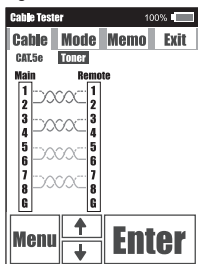


Fig 2

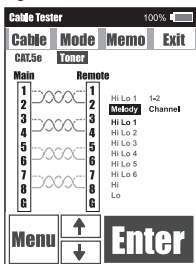


Fig 3

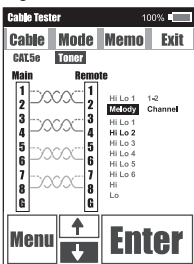


Fig 4

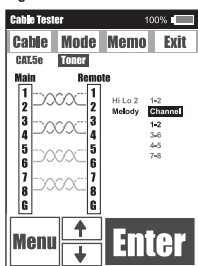


Fig 5

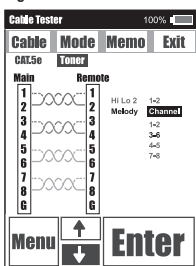
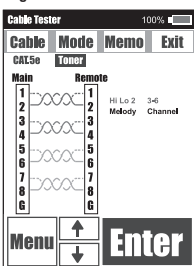


Fig 6



## ● Memo Function

- The TCT-910 with three select (**Store/Recall/Delete**) for Memo Function
- Memo for 10 Sets(data package)
- **Store** of Memo : Store the Result of Tested into Memory inside.
- **Recall** of Memo : Recall the Result of Tested from Memory inside.
- **Delete** of Memo : Delete the Result of Tested data which you select in Memory inside.
- Following Figures for you refer to using...

### Store of Memo

Fig 1

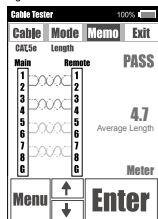


Fig 2

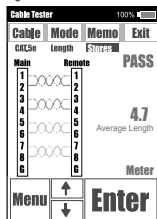


Fig 3

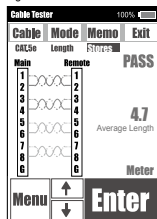


Fig 4

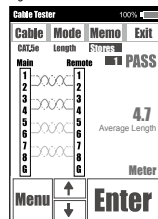


Fig 5

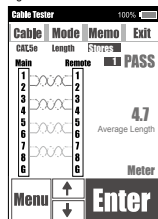


Fig 6

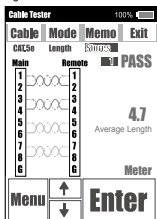


Fig 7

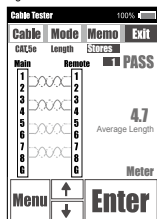


Fig 8

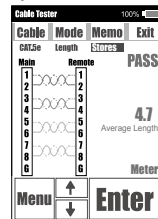


Fig 9

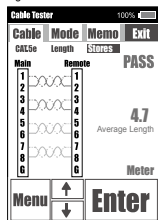
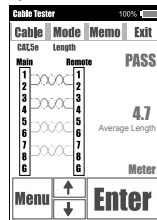


Fig 10



## Recall of Memo

Fig 1

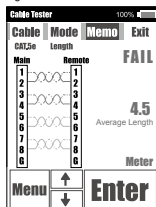


Fig 2

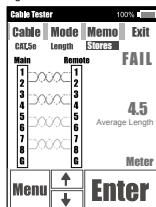


Fig 3

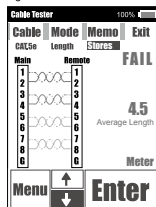


Fig 4

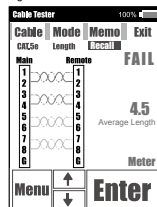


Fig 5

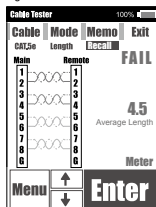


Fig 6

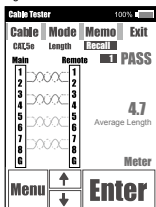


Fig 7

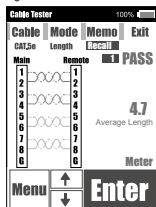


Fig 8

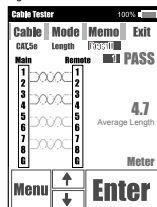


Fig 9

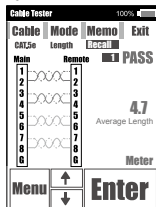


Fig 10

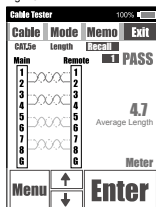


Fig 11

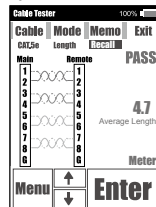


Fig 12

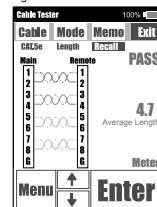
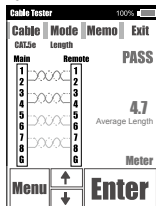


Fig 13





## Delete of Memo

Fig 1

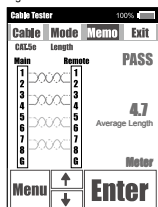


Fig 2

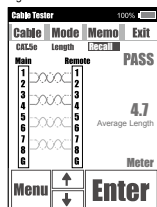


Fig 3

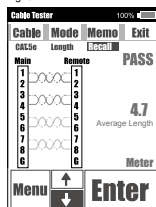


Fig 4

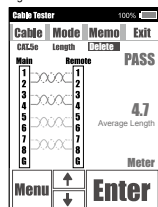


Fig 5

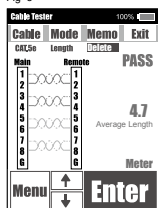


Fig 6

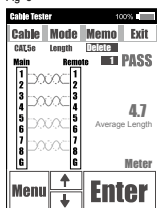


Fig 7

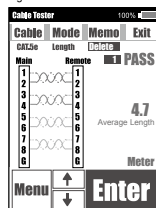


Fig 8

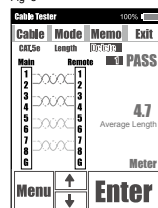


Fig 9

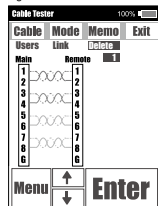


Fig 10

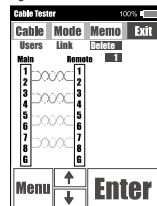


Fig 11

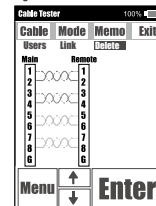


Fig 12

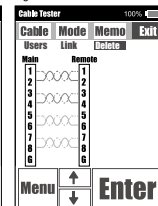
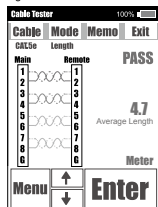


Fig 13



• **Figure Cable Tester How to Install (LAN) (TEL)**

Figure The way  
How to Connecting  
for **TEL** Cable Test...

Figure The way  
How to Connecting  
for **LAN** Cable Test...



**Note.**

You can Connecting the Remote or not,  
Both are able to do the Length Measure.

**Note.**

You can Connecting the Remote or not,  
Both are able to do the Length Measure.

# ● Figure Cable Tester How to Install (COAX)

Figure The way  
How to Connecting  
for **Coax** Cable Test...



## **Note.**

You can Connecting the Remote or not,  
Both are able to do the Length Measure.

## ● Backlight


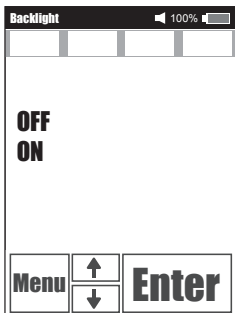

- Touch the  Icon of Root Menu on the LCM, To Launching the function of Backlight... → as ( **Fig 1** )
- Touch the bottom side ( ↑ ↓ Enter ) Icon of Root Menu, The Backlight will be Turn ON when the Backlight is OFF mode,
- Touch the 'Menu' Icon of Lighting Measurement on the LCM, to back Root Menu.

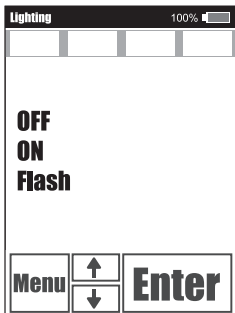
Fig 1



- **OFF: Backlight Turn OFF.**
- **ON : Backlight Turn ON.**


## ● Lighting

- Touch the  Icon of Root Menu on the LCM, To Launching the function of Lighting.
- Touch the 'UP' or 'Down' Icon of Lighting Functions on the LCM, To select the Lighting style which one of three(OFF, ON, Flash).
- Touch the 'Enter' Icon of Lighting Functions on the LCM, To entry the Lighting style after you are selected the one of three(OFF, ON, Flash). Take it (TCT-910) to Bright anywhere by the Lighting of TCT-910.
- Touch the 'Menu' Icon of Lighting Measurement on the LCM, to back Root Menu.



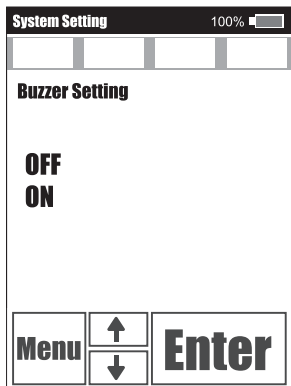
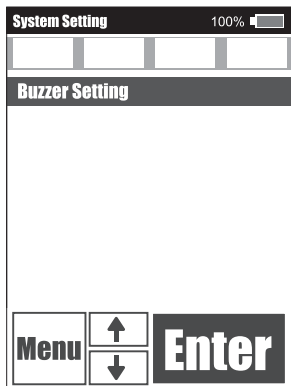
- **OFF: Flashlight Turn OFF.**
- **ON : Flashlight Turn ON.**
- **Flash: Flashlight Turn Blinking.**

## ● System Functions Setting

- Touch the  Icon of Root Menu on the LCM, To Launching the function of System Functions Setting.
- Refer to Figure System Setting.
- Touch the 'UP' or 'Down' Icon of System Functions Setting on the LCM, To select the System Functions which one of three(Buzzer Setting, Power Sleep..., Language for Menu).
- Touch the 'Enter' Icon of System Functions Setting on the LCM, To entry the System Functions after you are selected the one of three (Buzzer Setting, Power Sleep..., Language for Menu).
- Touch the 'Menu' Icon of System Functions Setting on the LCM, to Back Root Menu.

### ● Buzzer Setting

- Refer to Figure Buzzer.
- Touch the 'UP' or 'Down' Icon of Buzzer Setting on the LCM, To select the Buzzer style which one of two(OFF, ON).
- Touch the 'Enter' Icon of Buzzer Setting on the LCM, To decide and set the Buzzer style after you are selected the one of two(OFF, ON). The Buzzer always keeping Silent after you set the Buzzer Setting is OFF.
- Touch the 'Menu' Icon of Buzzer Setting on the LCM, to back System Functions Setting Menu.



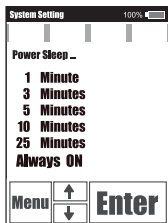
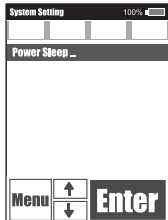
- **OFF:** Buzzer Function Turn to Silent Mode.
- **ON:** Buzzer Function Turn to Normal Mode.

### ● Power Sleep...

- Refer to Figure Power Sleep...
- Touch the 'UP' or 'Down' Icon of Power Sleep... on the LCM, To select the style of Power Sleep which one of six(1 Minute, 3 Minutes, 5 Minutes, 10 Minutes, 25 Minutes, Always ON).
- Touch the 'Enter' Icon of Power Sleep... on the LCM, To decide and set the style of Power Sleep... after you are selected the one of six(1 Minute, 3 Minutes, 5 Minutes, 10 Minutes, 25 Minutes, Always ON).

#### Example:

- Power Sleep... (1 Minute):  
The TCT-910 will turn OFF the Power when none to touch the LCM after 1 Minute.
- Power Sleep... (Always ON):  
The TCT-910 will without auto power saving also always keeping on operating mode.
- Touch the 'Menu' Icon of Power Sleep... on the LCM, to back System Functions Setting Menu.

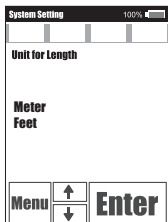
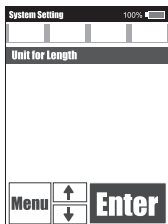


### ● Unit for Length

- Refer to Figure Unit for Length.
- Touch the 'UP' or 'Down' Icon of Unit for Length on the LCM, To select the style of Unit for Length which one of two(Meter, Feet).
- Touch the 'Enter' Icon of Unit for Length on the LCM, To decide and set the style of Unit for Length after you are selected the one of two(Meter, Feet).

#### Example:

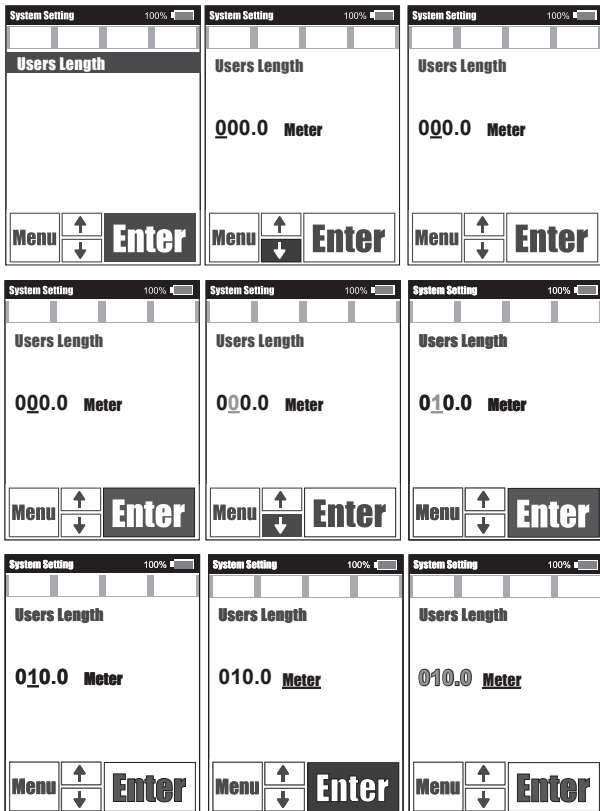
- You can see the Length of Cable with Unit in Meter when Unit for Length was selected(Meter).
- Otherwise the Length of Cable with Unit in Feet also Unit for Length was selected(Feet).



## • Users Length

- Refer to Figure Users Length.  
(Example : Users Cable 10M inserted to RJ45 Port of Main Body)
- TCT-910 offer this function for users to do Cable Length Calibrate Especially,  
After this Procedure,  
User able to do Cable Tester with (Users)Cable Select,  
User will see the Length Measuring is very accuracy and close to fact.

Figure Users Length.



### ● Language for Menu

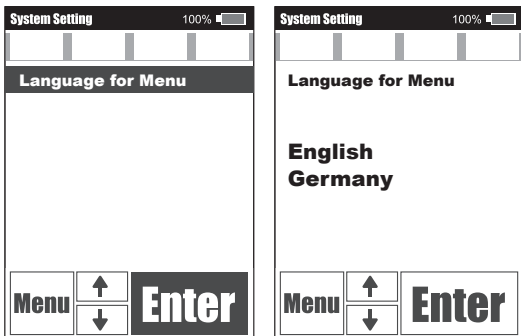
- Refer to Figure Language for Menu.
- Touch the '**UP**' or '**Down**' Icon of Language for Menu on the LCM,  
To select the Country of Language for Menu which one of two(**English, Germany**).
- Touch the '**Enter**' Icon of Language for Menu on the LCM,  
To decide and set the Country of Language for Menu after you are selected Which one of (**English, Germany**)

Example:

You can see the Language of Menu in English when **Language for Menu** was selected (**English**).

Otherwise the Language of Menu in Germany also **Language for Menu** was selected (**Germany**).

Figure Language for Menu.

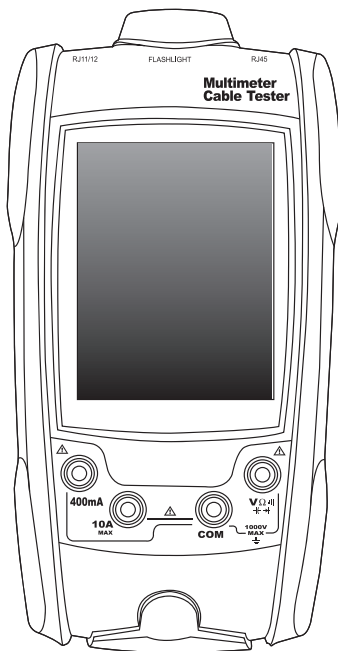




## • Turn OFF the TCT-910

- Touch the **OFF** Icon of Root Menu on the LCM, To Turn OFF the Power of TCT-910.
- Refer to Figure Power OFF.
- The Power consumption is very low(280uAH) also for long time standby until 1 year almost.

Figure Power OFF.



## ● Cleaning

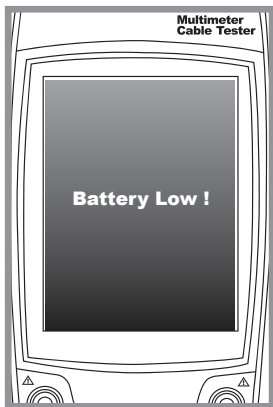
- Wipe the case with a damp cloth and mild detergent.
- Do not use abrasives or solvents to scrape the Touch Panel with TFT LCD.
- Dirt or moisture in the terminals can affect readings.

## ● Replacing the Fuses

- Warning To avoid electrical shock or injury,  
Remove the test leads and any input signals before replacing the fuse.

## ● Battery Power Charging

- DC Power Charging the (Li-ion) Battery inside  
as soon as the low battery indicator (**Battery Low !**) appears.



- Note.

When Battery Energy ( > ) 30% of Full, then Green bar in Battery icon for Indicating..  
When Battery Energy (<,=) 30% of Full, then Orange bar in Battery icon for Warning..  
When Battery Energy (<,=) 15% of Full, then Red bar in Battery icon for warning..  
When Battery Energy (<,=) 10% of Full, then display the " Battery Low" on the LCD,  
after 3 Seconds Will be Turn the Power OFF.

## • Specifications

Detail Specification of (TCT-910) (Multi-Meter)		
Specification		
<b>High Class ADC Inside</b>	14bit ADC (High Resolution of ADC)	
<b>Display</b>	3.5" TFT-LCD (320 * 240)Pixels Colors with (BackLight + TouchPanel)	
<b>Function Select</b>	Keyin by Touch Panel	
<b>Multi-Meter Functions</b>	Measure of Range	Accuracy $\pm$ ([% of Reading])
DCV	0 ~ 600V	10 %
ACV	0 ~ 600V	10 %
OHM	0 ~ 40M $\Omega$	10 %
DCA	0 ~ 10A	10 %
ACA	0 ~ 10A	10 %
Continuity	0 ~ 400 $\Omega$	10 %      Meter beeps at < 25 $\Omega$
Diode Test (Forward Bias)	0 ~ 2.400 V	10 %
Capacitance	1nF ~ 100uF	20 %      For (10nF ~ 100uF)
Frequency	0 ~ 99.99KHz	10 %
Temperature	(-20 ~ +250) $^{\circ}$ C	10 %

Detail Specification of (TCT-910) (Cable Tester)		
<b>Cable Tester</b>	PASS      Testing (CAT.5/5e/6/7),(TEL 2/4/6P),(Coax),(USB-A)	
	OPEN      Testing (CAT.5/5e/6/7),(TEL 2/4/6P),(Coax),(USB-A)	
	SHORT      Testing (CAT.5/5e/6/7),(TEL 2/4/6P),(Coax),(USB-A)	
	CROSS      Testing (CAT.5/5e/6/7),(TEL 2/4/6P),(Coax),(USB-A)	
	SPLIT      Testing (CAT.5/5e/6/7)	(>=) 3M SPLIT Test...
	Length      Testing (CAT.5/5e/6/7),(TEL 2/4/6P),(Coax),(USB-A)	Accuracy $\pm$ 3%
	Toner      Output (CAT.5/5e/6/7),(TEL 2/4/6P),(Coax),(USB-A)	
<b>LED Lighting</b>	ON/OFF      Testing	
	Flash      Testing	
<b>Battery</b>	Charge time (4Hours approximately) for (Battery power to Full). (Rechargeable Li-Ion 2700mA/3.7V)	
	Life Time (8Hours approximately) for using. (Base on Battery power is Full)	
<b>Auto Power OFF</b>	Power OFF automatically when Idle more than your Setting Times to sleep.	
<b>Power Adaptor</b>	AC(100V~240V) to DC(5V/1A)(Micro USB) for Battery Charging	

- **Caution:**

This symbol “” is Meaning of Warning to avoid this TCT-910 be Damaged !

 **CABLE TESTER DO NOT USE ON LIVE CIRCUITS**