

## Electrical Safety Compliance Analyzers

**【特點】**

- 交流 / 直流耐壓、絕緣阻抗、接地阻抗測試
- 20 × 2 點矩陣OLED 顯示器
- 可選購內建4 組或8 組高壓矩陣式掃描通道
- 內建50 組程式記憶、每一組8 個測試步驟可進程式記憶步驟的連結測試
- 測試線路阻抗自我歸零校整功能，確保測試結果的準確
- 內建PLC Remote 遙控界面
- 鍵盤鎖定功能
- 可外接標準GPIB、USB & RS232、Printer Card 作控制

**【Features】**

- ACW, DCW, IR, GB Tests
- Single 20 × 2 OLED Display
- Optional built-in 4 channels or 8 channels Scanner
- Storage up to 50 memories with 8 steps per memory to perform any of the safety tests in any sequence
- Auto Offset, Ground Bond Test
- Built-in PLC Remote interface
- Front Panel Lockout
- GPIB (IEEE-488), USB & RS232, Printer interfaces control

## Electrical Safety Compliance Analyzers

## [Specification]

MODEL	7410	7420	7430	7440
<b>AC WITHSTAND VOLTAGE</b>				
Output Rating	5KVAC / 30mA	5KVAC / 30mA	5KVAC / 40mA	5KVAC / 40mA
	<b>Range</b>	<b>Resolution</b>	<b>Accuracy</b>	
Output Voltage, ACV	0 - 5000	1	± (2% of setting + 5V)	
Output Frequency	50Hz / 60Hz ± 0.1%, User selectable			
Output Waveform	Sine wave ,THD. < 2% (Resistive load), Crest Factor = 1.3 - 1.5			
Output Regulation	± (1% of output + 5V), From no load to full load			
<b>SETTINGS</b>				
Hi-Limit AC Current, mA	0 - 30.00	0 - 30.00	0 - 40.00	0 - 40.00
	Resolution : 0.01, Accuracy : ± (2% of setting + 3 counts)			
Lo-Limit AC Current, mA	Range : 0 - 9.999			
	Resolution : 0.001, Accuracy : ± (2% of setting + 3 counts)			
Ramp Time, second	0.1 - 999.9	0.1	± (0.1% of setting + 0.05s)	
Dwell Time, second	0, 0.3 - 999.9 (0 = continuous)	0.1		
Arc Detection	The range is from 1 - 9 (9 is the most sensitive)			
AC Current Offset, mA	0 - 2.000, auto / manual set			
<b>DC WITHSTAND VOLTAGE</b>				
Output Rating	6KVDC / 9999µA			
Output Voltage, DCV	0 - 6000	1	± (2% of setting + 5V)	
Output Ripple	< 5% (6KV / 9999µA at Resistive load)			
<b>SETTINGS</b>				
Hi-Limit DC Current, µA	0 - 9999	1	± (2% of setting + 3 counts)	
Lo-Limit DC Current, µA	0 - 999.9	0.1	± (2% of setting + 3 counts)	
Ramp Time, second	0.1 - 999.9	0.1	± (0.1% of setting + 0.05s)	
Dwell Time, second	0, 0.4 - 999.9 (0 = continuous)	0.1		
Arc Detection	The range is from 1 - 9 (9 is the most sensitive)			
DC Current Offset, µA	0 - 2.000, auto / manual set			
Ramp-High, Current	ON / OFF, User selectable			
Charge-Low Current, µA	0 - 350.0, auto / manual set			
Discharge Time	≤ 200ms			
<b>INSULATION RESISTANCE</b>				
Output Rating	1KVDC / 9999MΩ			
Output Voltage, DCV	100 - 1000	1	± (2% of setting + 3V)	
Hi-Limit Resistance, MΩ	0, 1 - 9999 (0 = OFF)	1	100 - 499V 1 - 999.9, ± (8% of setting + 2 counts) 500 - 1000V 1 - 999.9, ± (2% of setting + 2 counts) 1000 - 9999, ± (8% of setting + 2 counts)	
Lo-Limit Resistance, MΩ	1 - 9999	1		
Delay Time, second	0, 0.5 - 999.9 (0 = continuous)	0.1	± (0.1% of setting + 0.05s)	
Charge-Low Current, µA	0 - 3.500, auto / manual set			
<b>GROUND BOND (7440 ONLY)</b>				
Output Rating	30A / 600mΩ, 8V			
Output AC Current, A	3.00 - 30.00	0.01	± (2% of setting + 3 counts)	
Output AC Voltage, V	3.00 - 8.00	0.01	± (2% of setting + 3 counts) at Open circuit	
Output Frequency	50Hz / 60Hz ± 0.1%, User selectable			

## Electrical Safety Compliance Analyzers

MODEL	7410	7420	7430	7440
<b>SETTINGS</b>				
Hi-Limit Resistance, mΩ	0 - 150 (3 - 30A) 0 - 600 (3 - 10A)	1	± (2% of setting + 2 counts)	
Lo-Limit Resistance, mΩ				
Lead Resistance Offset, mΩ	0 - 200	1	± (2% of setting + 2 counts)	
Dwell Time, second	0, 0.5 - 999.9 (0 = continuous)	0.1	± (0.1% of setting + 0.05s)	
<b>MEASUREMENT</b>				
AC / DC Voltage, KV	0 - 6.00	0.01	± (1.5% of reading ) > 500V ± (1.5% of reading + 1 count) < 500V	
DC Voltage, V (IR)	100 - 1000	1	± (1.5% of reading + 3V)	
AC Current Range, mA	0 - 3.500	0 - 3.500	0 - 3.500	0 - 3.500
	3.00 - 30.00	3.00 - 30.00	3.00 - 40.00	3.00 - 40.00
AC Current Resolution, mA	0.001 / 0.01			
AC Current Accuracy, mA	± (2% of reading + 3 counts)			
DC Current Range, μA	0 - 350.0	0.1	± (2% of reading + 3 counts)	
	300 - 3500	1		
	3000 - 9999	10		
AC Current, A (GB)	0 - 35.00	0.01	± (2% of reading + 3 counts)	
Resistance, MΩ (IR)	1 - 9999 (Auto range)	0.001	100 - 499V 1 - 999.9, ± (8% of reading + 2 counts) 500 - 1000V 1 - 999.9, ± (2% of reading + 2 counts) 1000 - 9999, ± (8% of reading + 2 counts)	
		0.01		
		0.1		
		1		
Resistance, mΩ (GB)	0 - 600	1	± (2% of reading + 2 counts)	
<b>GENERAL</b>				
Input Voltage AC	115 / 230Vac ± 15%, 50 / 60Hz ± 5%, max. current 5A for 7410 model, max. current 6.3A for 7420 / 7430 / 7440 model			
PLC Remote Control	Input : Test, Reset, Memory1, 2, 3 Output : Pass, Fail, Processing			
Memory	50 memories, 8 steps / memory			
Display	20 x 2 OLED			
Key Lock	To prevent unauthorized alteration of the test parameters			
Calibration	Build-in software and external calibrated meters			
Alarm Volume Setting	Range : 0 - 9 ; 0 = OFF, 1 is softest volume, 9 is loudest volume			
Rear Panel Output	YES	YES	YES	YES
Built-in Scanner Module	-	8 Channels	OPTION	OPTION
External Scanner Port	YES	YES	YES	YES
Smart GFI	YES	YES	YES	YES
Analog Meter	-	-	YES	YES
USB & RS232 Interface	OPTION	OPTION	YES	YES
GPIB Interface	OPTION	OPTION	OPTION	OPTION
Printer Interface	OPTION	OPTION	OPTION	OPTION
Environment	0 - 40°C, 20 - 80%RH			
Dimension (W × H × D), mm	430 × 133 × 300	430 × 133 × 500	430 × 133 × 500	
Net Weight	12Kg	18Kg	22Kg	

## Electrical Safety Compliance Analyzers

MODEL	7410	7420	7430	7440
<b>STANDARD ACCESSORIES</b>				
Power Cord (10A)			× 1	
Fuses			× 2 (Including a spare contained in the fuse holder)	
Hipot Test Lead, 1.5m (1101)			× 1	
Hipot Return Lead, 1.8m (1102)			× 1	
Ground Bond Test Lead 30A, 1.5m (1103)	-	-	-	× 1
Ground Bond Return Lead 30A, 1.5m (1104)	-	-	-	× 1
Hipot Output Link Lead, 1.5m (1109)	-	× 8	-	-
USB Link Cable 1.8m	-	-	× 1	× 1
Disk (RS232 test program)	-	-	× 1	× 1

\*Product specifications are subject to change without notice

### [Ordering Information]

7410 Dielectric Analyzer (ACW, DCW, IR)

7420 Dielectric Analyzer with Build-in 8 Channels Scanner (ACW, DCW, IR)

7430 Dielectric Analyzer (ACW, DCW, IR)

7440 Electrical Safety Compliance Analyzer (ACW, DCW, IR, GB)

Opt.701 Built-in Scanner 4W + 4G for 7440 only

Opt.702 Built-in Scanner 8W + 8G for 7440 only

Opt.703 Built-in Scanner 4W for 7430 only

Opt.704 Built-in Scanner 8W for 7430 only

Opt.706 GPIB Interface Card

Opt.707 Printer Port Interface Card

Opt.717 6KV AC Output

Opt.718 Change High Limit Setting to 9.999 mA

Opt.719 Modify 7410 Dwell Time to 0.1 - 999s

Opt.720 Modify 7410 DCW to 3.5KVA / 20mA

Opt.727 JigA / JigB Option for 74XX + 7006

Opt.728 JigA / JigB Option for 4W4W

Opt.731 GPIB Interface Card

Opt.732 Printer Port Interface Card

Opt.733 Setup Program Copy Function for 7440 only

Opt.763 USB & RS232 PC Control Card