



7400 Series Electrical Safety Compliance Analyzer

MODEL	7410	7420	7430	7440
AC WITHSTAND VOLTAGE				
Output Rating	5KVAC / 30mA	5KVAC / 30mA	5KVAC / 40mA	5KVAC / 40mA
	Range	Resolution	Accuracy	
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			
SETTINGS				
Hi-Limit AC Current, mA	0 - 30.00	0 - 30.00	0 - 40.00	0 - 40.00
	Resolution : 0.01, Accuracy : ± (2% of setting + 3counts)			
Lo-Limit AC Current, mA	Range : 0 - 9.999			
	Resolution : 0.001, Accuracy : ± (2% of setting + 3counts)			
Ramp Time, second	0.1 - 999.9	0.1	± (0.1% + 0.05sec)	
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 or Auto Set			
DC WITHSTAND VOLTAGE				
Output Rating	6KVDC/9999µA			
Output Voltage, DCV	0 - 6000	1	± (2% of setting + 5V)	
Output Ripple	< 5% (6KV / 9999 µA at Resistive Load)			
SETTINGS				
Hi-Limit DC Current, µA	0 - 9999	1	± (2% of setting + 3counts)	
Lo-Limit DC Current, µA	0 - 999.9	0.1	± (2% of setting + 3counts)	
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, ?A	0 - 200.0 or Auto Set			
Ramp High Current	ON/OFF, User Selectable			
Charge - Low Current, µA	0 - 350.0 or Auto Set			
Discharge Time	≤ 200 msec			
INSULATION RESISTANCE				
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 + 2counts)	
Lo-Limit Resistance, MΩ	1 - 9999	1	500 - 1000V 1 - 999.9, ± (2% of setting + 2counts) 1000 - 9999, ± (8% of setting + 2counts)	
Delay Time, second	0, 0.5 - 999.9 (0=continuous)	0.1	± (0.1% + 0.05sec)	
Charge - Low Current, µA	0 - 3.500 or Auto Set			
GROUND BOND (7440 ONLY)				
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 ± 100ppm, User Selectable			
SETTINGS				
Hi-Limit Resistance, mΩ	0 - 150 (3 - 30A)	1	± (2% of setting + 2 counts)	
Lo-Limit Resistance, mΩ	0 - 600 (3 - 10A)			
Lead Resistance Offset, mΩ	0 - 200	1	± (2% of setting + 2 counts)	
Dwell Time, second	0, 0.5 - 999.9 sec (0=continuous)	0.1	± (0.1% of setting + 0.05s)	
MEASUREMENT				
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 + 3counts)			
DC Current Range, µA	0 - 350.0	0.1	± (2% of reading + 3counts)	
	300 - 3500	1		
	3000 - 9999	10		
AC Current, A (GB)	0 - 35.00	0.01	± (2% of reading+3counts)	
Resistance, , MΩ(IR)	1 - 9999 (Auto Range)	0.001	100 - 499V	
		0.01	1 - 999.9, ± (8% of reading + 2counts)	
		0.1	500 - 1000V	
		1	1 - 999.9, ± (2% of reading + 2counts) 1000 - 9999, ± (8% of reading + 2counts)	
Resistance, , mΩ (GB)	0 - 600	1	± (2% of reading+2counts)	
GENERAL				
Input Voltage AC	115V / 230Vac ± 15%, 50Hz / 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	20×2 LCD with back light			
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	-	8 CHANNELS	OPTION	OPTION
External Scanner	YES	YES	YES	YES
Smart GFI	YES	YES	YES	YES
Analog Meter	-	-	YES	YES
RS232 Interface	OPTION	OPTION	YES	YES
GPIB Interface	OPTION	OPTION	OPTION	OPTION
Printer Interface	OPTION	OPTION	OPTION	OPTION
TUV-GS listed	-	-	YES	YES
CE Compliance	-	-	YES	YES
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	
STANDARD ACCESSORIES				
Power Cord(10A)	×1			
Fuses	×2 (Including a spare contained in the fuse holder)			
Hipot Test Lead ,1.5m(1101)	×1			
Return Test Cable(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	-	-
RS232 Link Cable 1.5m (1130)	-	-	×1	×1
Disk (RS232 test program)	-	-	×1	×1
*product specifications are subject to change without notice.				