



【特點】

- 可與華儀電子的安規測試器連結；組成安規六合一(ACW/DCW/IR/GB/RUN/LLT)測試系統
- 超大型 320 x 240 Graphic LCD，可同時顯示量測電壓/接觸電流及測試時間
- 量測頻寬 DC - 1MHz 完全符合 IEC60990 接觸電流測試規範
- 可量測最大峰值 75mApeak / 有效值 35mA_{RMS}，滿足安規機構測試驗證需求(選配)
- 內建 7 組人體模擬阻抗(MD)且可擴充一組，一台儀器就可以滿足多種安規標準要求
- MD具有BNC量測端子，可外接示波器或電壓錶讀取MD電壓值，方便對MD進行校準
- 人體模擬阻抗(MD)的校準方式，可以完全符合IEC60990標準規定進行
- 可靈活選擇MD漏電流量測點(如: IEC60065 U1&U2)；符合安規標準要求
- 負載最大容量為 10KVA / 40Arms，允許啟動瞬間承受 250Apeak 不切斷保護
- 可選配產品電氣性能量測模組(RUN Test Module)，可量測功率/電壓/電流/功率因數
- 可選配多功能界面卡內含USB-A資料收集功能，內部記憶可儲存至少10萬筆的測試結果

【Features】

- Link with other EXTECH safety tester to form a 6-in-1 safety test system. (ACW/ DCW/ IR/ GB/ RUN/ TC)
- Enhanced 320 x 240 Graphic LCD display. Display the measured voltage, touch current and test time in the screen at the same time.
- Wide measurement bandwidth DC~1MHZ. Completely satisfy the requirement of IEC 60990.
- Optional max touch current of measure in IEC60065. Max measurement of touch current is 75mA peak /35mA RMS.
- Built-in 7 kinds of common measuring devices and an external MD circuit connection also available. The tester is full compliance to various agencies standard.
- With BNC port MD can be linked with other meters with external voltage meter or oscillograph it is convenient for verifying the circuit of MD.
- Able to verify MD circuit directly and conveniently. This function is in accordance with the requirement of IEC 60990.
- Selectable measurement points of the MD leakage current example IEC 60065 requirement to measure U1 & U2.
- Max capacity of load is 10KVA/40A RMS. Allow to endure a 250A peak current instead of being shortcut to protect.
- Run Test Module is optional .Able to measure power, voltage, current, power factor.
- Built-in USB-A interface , it is convenient for clients that the tester can storage 100 thousand records of datum.

Touch Current Tester

【Specification】

INPUT			
Voltage	115/230 VAC \pm 15%		
Frequency	50/60 Hz \pm 5%		
Current	max. 2A		
Line Condition			
Power Switch	Reverse polarity switch for normal condition (on / off / auto setting)		
Neutral Switch	Neutral switch on/of f selection for single fault condition		
Ground Switch	Ground switch on/of f selection for class I single fault condition		
Probe Setting			
Surface to Surface (PH - PL)			
Surface to Line(PH - L)			
Ground to Line (G - L)			
Ground to Neutral (G - N)			
Auto Function (G - N & G - L)			
SETTING			
Touch Current High Limit (RMS)	Range	0.0uA - 999.9uA / 1000uA - 9999uA / 10.00mA - 20.00mA	
	Resolution	0.1uA/1uA/0.01mA	
Touch Current Low Limit (RMS)	Range	0.0-999.9 uA	
	Resolution	0.1uA	
Touch Current High Limit (Peak)	Range	0.0uA - 999.9uA / 1000uA - 9999uA / 10.00mA - 30.00mA	
	Resolution	0.1uA / 1uA / 0.01mA	
Touch Current Low Limit (Peak)	Range	0.0 - 999.9uA	
	Resolution	0.1uA	
DISPLAY			
Touch Current Display (RMS)	Range 1	0.0uA - 999.9uA, frequency DC - 1MHz	
	Resolution	0.1uA	
	Accuracy	DC : \pm (2% of reading + 3counts)	
		15Hz \leq f < 100KHz : \pm (2% of reading + 3counts)	
		100KHz \leq f \leq 1MHz : \pm 5% of reading , 10.0uA - 999.9uA	
	Range 2	1000uA - 7999uA, frequency DC - 1MHz	
Resolution	1uA		
Accuracy	DC : \pm (2% of reading + 3counts)		
	15Hz \leq f < 100KHz : \pm (2% of reading + 3counts)		
	100KHz \leq f \leq 1MHz : \pm 5% of reading , 10uA - 7999uA		
Range 3	8.00mA-20.00mA, frequency DC - 1MHz		
Resolution	0.01mA		
Accuracy	DC : \pm (2% of reading + 3counts)		
	15Hz \leq f \leq 1MHz : \pm 5% of reading , 0.01mA-20.00mA		
Touch Current Display (Peak)	Range 1	0.0uA~ 999.9uA, frequency DC - 1MHz	
	Resolution	0.1uA	
	Accuracy	DC : \pm (2% of reading +2uA)	
		15Hz \leq f \leq 1MHz : \pm (10% of reading +2uA) , 10.0uA - 999.9uA	
	Range 2	1000uA ~ 7999uA, frequency DC - 1MHz	
	Resolution	1uA	
Accuracy	DC : \pm (2% of reading +2counts)		
	15Hz \leq f \leq 1MHz : \pm (10% of reading +2counts) , 10uA - 7999uA		
Range 3	8.00mA ~ 30.00mA, frequency DC - 100KHz		
Resolution	0.01mA		
Accuracy	DC : \pm (2% of reading +2counts)		
	15Hz \leq f \leq 100KHz : \pm (10% of reading +2counts) , 0.01mA -30.00mA		
Measuring Device Module			
MD1	IEC60990 Fig4 U2, IEC 60950-1, IEC60335-1, IEC60598-1, IEC60065, IEC61010		
	IEC60990 Fig4 U1		
MD2	IEC60990 Fig5 U3, IEC60598-1		
	IEC60990 Fig5 U1		
MD3	IEC 60601-1		
MD4	UL544P		
MD5	UL544NP, UL484 , UL923, UL471, UL867, UL697		
MD6	UL1563		
MD7	IEC60950, IEC61010-1 Fig.A.2 (2K ohm) for RUN Test MD Circuit.(Opt.752)		
External MD & Frequency check.	Basic measuring element 1k Ω		
MD Voltage Limit	Maximum 70 Vpeak or 70 VDC		
Leakage Current Offset	Range : 0- 999.9uA	Resolution: 0.1uA	
DUT POWER			
AC Voltage	0.0-277.0V		
AC Current	40Arms max continuous		
Over Current Protection	50Arms, Response Time < 3 sec / 250Apeak Response Time <10u sec		

AC Voltage High/Low Limit	Range:	0.0-277.0V
	Resolution:	0.1V/step
AC Voltage Display	Range:	0.0 - 277.0 V
	Resolution:	0.1 volt / step
	Accuracy:	±(1.5% of reading + 2 counts) , 60.0 - 277.0VAC
Delay time setting	Range:	0.5 -999.9 seconds
	Resolution:	0.1 second
Dwell time setting	Range:	0, 0.5 -999.9 seconds
	Resolution:	0.1 second
Timer display	Range:	0.0 - 999.9 seconds
	Resolution:	0.1 second
	Accuracy:	±(0.1% of reading + 0.05 seconds)
GENERAL		
PLC Remote Control	Input - Test, Reset, Interlock & Recall File 1 through 10 Output - Pass, Fail, Test-in-Process, Start-Out, Reset-Out	
Scanner Control	It is applied to control Matrix Scanner (Model 7006)	
Memory	50 memories , 30 steps/memory Max. Result Display 900 data (30 memories x 30 steps)	
Auto Reverse Function	AUTO Reverse ON / OFF parameter setting selection Automatic Reverse polarity switch for normal condition in one step setting menu Only display maximum leakage current value	
Scope Output Interface	At rear panel BNC type to connet scope for some IEC standards test requirement and application	
Display	320 X 240 graphic LCD	
LCD Contrast Setting	Range: 1-9; 1 is lightest character, 9 is darkest character	
Alarm Volume Setting	Range: 0-9; 0=OFF, 1 is softest volume, 9 is loudest volume	
Security	Lockout capability to avoid unauthorized access to test set-up programs	
Calibration	Software and adjustments are made through front panel Automatic Calibration alert function to signal operator when calibration is due	
Results Display	All test result information will be displayed on the screen	
Interface	RS232 standard / GPIB option	
Safety	Product with TÜV / GS certificate	
Dimension	430 (W) x 133(H) x 300 (D) mm	
Weight	12Kg	
OPTION		
RUN Test Function (Opt.752)		
W	Range : 0-1KW / 1-10KW Resolution : 0.1W / 1W	
A	Range : 0.000 - 3.500A/ 3.00 - 40.00A, Resolution : 0.001A/ 0.01A	
PF	0.000 -1.000	
Leakage Current	Range : 0.00 - 10.00mA , Resolution : 0.01mA	
AC Current High/Low Limit Setting	Range:	0-40A
	Resolution:	0.01A / step
AC Current Display	Range:	0.000 -3.500A/ 3.00 - 40.00A
	Resolution:	0.001A / 0.01A
AC Power High/Low Limit Setting	Accuracy :	± (2 % of reading + 5 counts) / ± (2 % of reading + 2 counts)
	Range:	0 - 10KW
	Resolution:	1W
AC Power Display	Range:	0.0 - 1000.0W / 1000 - 10000W
	Resolution:	0.1W / 1W
	Accuracy :	± (5 % of reading + 9 counts)
Power Factor High/Low Limit Setting	Range:	0.000 - 1.000
	Resolution:	0.001
Power Factor Display	Range:	0.000 - 1.000
	Resolution:	0.001
	Accuracy :	±(8 % of reading + 2 counts) , V > 60VAC & PF > 0.2
Leakage Current High/Low Limit Setting	Range:	0.00 - 10.00mA
	Resolution:	0.01mA
Leakage Current Display	Range:	0.00 - 10.00mA
	Resolution:	0.01mA
	Accuracy :	± (2 % of reading + 2 counts)
Delay Timer Setting	Range:	0.5 - 999.9 seconds
	Resolution:	0.1 second
Dwell Timer Setting	Range:	0, 0.1-999.9 sec (0=Continuous)
	Resolution:	0.1 second
Timer display	Range:	0.0- 999.9 seconds
	Resolution:	0.1 second
	Accuracy:	± (0.1% of reading + 0.05 seconds)
Power Control	It is applied to control Transformer Box (1931/1931S) or AC Power Source(6700/6800/6400 Series)	

7630 Touch Current Tester

Opt.752 option products	
6800 Series Digital AC Power Source (6805, 6810 , 6820 , 6830 and 6840)	
6700 Series Programmable AC Power Source (6705, 6710 , 6720 , 6730 and 6740)	
6400 Series AC Power Source (6402, 6403, 6405, 6410)	
1931 Series Transformer Box Multi-Tape of 1.0, 1.06, and 1.1 times of input voltage (500VA/1KVA/1.8KVA/3.6KVA)	
1931S Series Transformer Box Multi-Tape of 0.8, 0.85, 0.9, 1.0, 1.06, 1.1 times of input voltage (500VA/1KVA/1.8KVA/3.6KVA)	
Opt. 753 HV & GB Link Module	
Max. ACW 3500VAC, DCW 3500VDC & Max. Ground Bond 40A	
Opt. 754 High Measurement Range 35mArms / 75mApeak	
MD1	IEC60990 Fig4 U2, IEC 60950-1, IEC60335-1, IEC60598-1, IEC60065, IEC61010 IEC60990 Fig4 U1
MD2	IEC60990 Fig5 U3, IEC60598-1 IEC60990 Fig5 U1
MD3	IEC 60601-1
MD5	UL544NP, UL484 , UL923, UL471, UL867, UL697

If the opt.754 function is enabled, the MD module MD4, MD6 & MD7 will be disabled.

*product specifications are subject to change without notice.

【Ordering Information】

7630 Touch Current Tester

Opt.731 GPIB Interface Card

Opt.751 Multi-function Interface Card

Opt.752 RUN Test Function

Opt.753 HV & GB Link Test 3.5KVAC / 3.5KVDC & Ground Bond 40A

Opt.754 High Measurement Range 35mArms / 75mApeak & 4MDs

Opt.758 Ethernet Card

Opt.760 HV & GB Link Test 5KVAC / 6KVDC & Ground Bond 40A(Without Safety Listing)

Opt.761 Measuring Devices Voltage Display

7006 Matrix Scanner