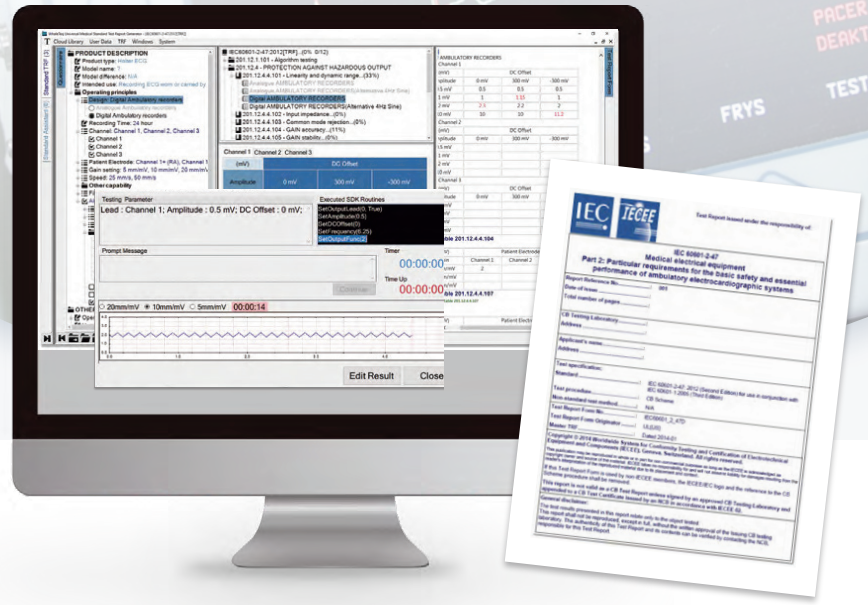
WHALETEQ

Test Solutions for
Medical Device Manufacturers

TRF Generator



The ultimate test solution for compliance testing -

Simplify all your efforts conducting testing and generating TRF report.

Work with SECG 5.0 AIO, SECG 4.0, CMRR 3.0+ and CMRR 3.0.

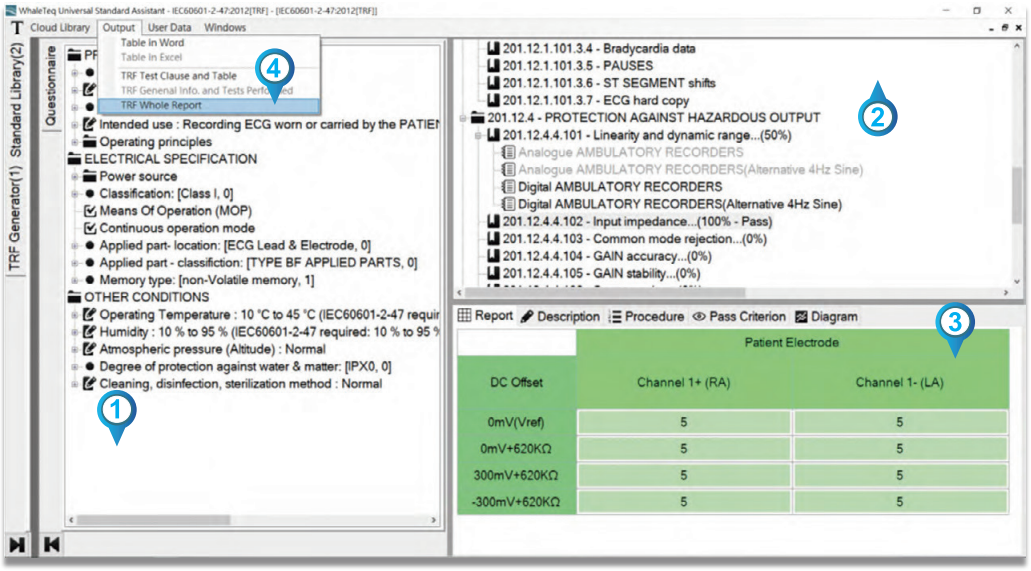
- Reduce test efforts and obtain qualified TRF report with consistency
- Complete questionnaire to determine product characteristics and relevant test clauses
- Effectively reduce human test errors
- Decrease labor medical standard test training cost and time
- Save time of test report summarization
- Click the test table to control test equipment to initiate designated test directly
- Database testing results from RDCA / CDCA can be imported
- The report format can be updated in accordance with the latest IEC TRF report

Medical
Standard Coverage

IEC60601-2-25, IEC60601-2-27, IEC60601-2-47

Compliance

Easiest Way to Conduct Testing and Generate IEC TRF Report



STEP 1	Fill in the questionnaire to determine product characteristics
STEP 2	Select the test clause and click the test table to conduct testing
STEP 3	Import database comparison results from RDCA / CDCA if necessary
STEP 4	Click TRF Whole Report to generate IEC TRF report

Test Report Example

201.12.4.4.102	Input impedance		P
	Input impedance was greater than 10MΩ for the frequency specifled in the test and for all input channels, and requirement was met across total required d.c offset range capabilities (MΩ).....:	(See appended table 201.12.4.4.102)	P
	a) Circuit of Fig. 201.101 used		P
	b) Switches S1 and S2 closed, S3 put in position A, and a 10Hz sinusoidal signal of 5mV amplitude p-v applied across P3 and P4		P
	c) PATIENT ELECTRODE connections of the first channel connected to P1 and P2 with all other PATIENT ELECTRODE connections connected to P6		P
	d) S1 opened and strady-state output amplitude measured did not decrease by more than 6% (mV p-v, % decrease).....:	(See appended table 201.12.4.4.102)	P
	e) Test repeated with offset voltages of 300 and 300mV, respectively, (mV p-v, % decrease).....:	(See appended table 201.12.4.4.102)	P
	f) Tests repeated for all other ECG channels .....:	(See appended table 201.12.4.4.102)	P
	g) PLAYBACK EQUIPMENT output amplitudes measured .....:	(See appended table 201.12.4.4.102)	P

Appendix 1
Test Table 201.12.4.4.101
Patient Electrode: Channel 1+ (RA)

Amplitude	DC Offset		
	0mV	300mV	-300mV
0.5mV	0.5	0.5	0.5
1mV	1	1	1
2mV	2	2	2
10mV	10	10	10

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