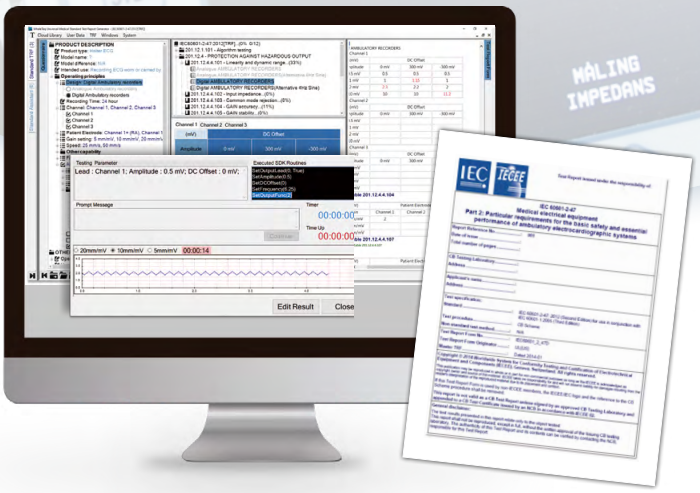
WHALETEQ

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.

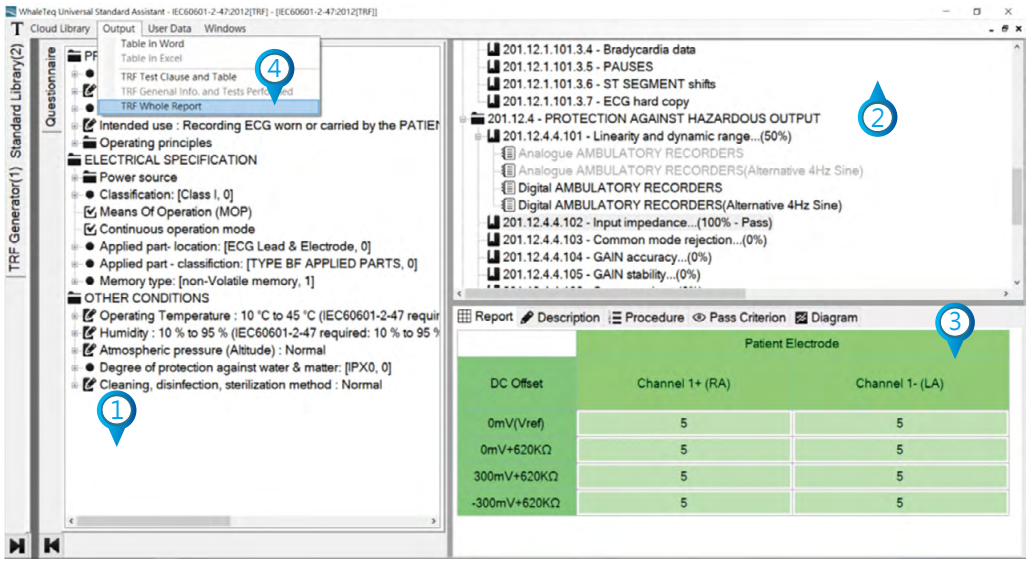
- Reduce test efforts and obtain qualified TRF report with consistency
- Complete questionnaire to determine product characteristics and relevant test clauses
- Click the test table to control test equipment to initiate designated test directly
- Database testing results from RDCA/CDCA can be imported
- The report format can be updated in accordance with the latest IEC TRF report

Medical Standard Coverag

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 10 MΩ for the frequency specified 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, S 3 put in position A, and a 10 Hz sinusoidal signal of 5 mV 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 steady-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 -300 mV, 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		
	0 mV	300 mV	-300 mV
0.5 mV	0.5	0.5	0.5
1 mV	1	1	1
2 mV	2	2	2
10 mV	10	10	10

service@whaleteq.com
www.whaleteq.com
9F, No.27, Minquan W. Rd., Zhongshan Dist., Taipei City 10452, Taiwan
+886-2-2596-0701
+886-2-2596-0702