

IONIC CONTAMINATION TESTER **CT100**



- Fully compliant with all international standards
- New cell technology for very accurate measurement
- Tank size on customers request
- Fully automatic test
- Friendly software
Easy to use
No interpretation

The CT100 is designed to make simple and accurate ionic contamination test in fully compliance with MIL-P-28809, MIL-STD-2000A, DEF-STD 10/03, IPC-TR-583, IEC Standards...

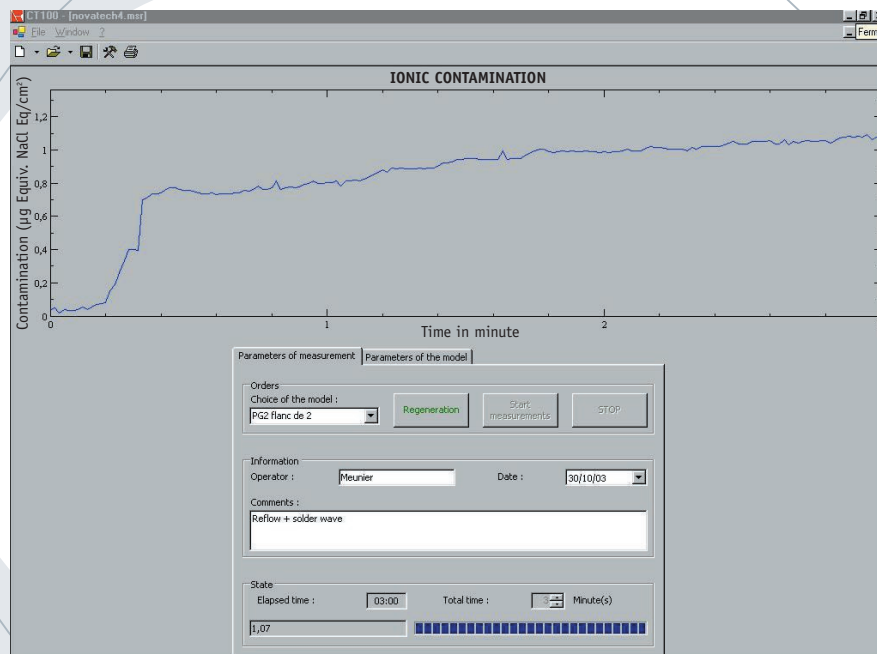
These measures are necessary to check the cleanliness of boards and assemblies after cleaning, or in case of new solder process parameters (no clean process, conformal coating, lead free alloy with new activator...), for quality control and approval.

In humid atmosphere, the ionic contamination is transformed in electrolyte catching moving ions which can create failures on electronic assemblies (dendrites, bad insulation...).

The ionic contamination test will point out these risks, secure accordingly assembly process and will extend life duration, reliability of end product.

Process is at first to clean efficiently the specimen using chemistry 2-Propanol and de-ionised water (75/25 or 50/50) while analysing continuously contamination development in the cleaning solution running in close loop tubing.

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CT100 characteristics

TANK SIZE	INTERCHANGEABLE TANK standard dimension : 80x250x300 mm
CHEMISTRY	50 or 75 % IPA / DI water
RESIN	Swappable cartridge containing 1 litre of resin
MEASURE RANGE	from 0.01 to 20.00 µg Eq NaCl / cm ²
SENSIVITY	0.0001 µS/cm or 0.003 µgEqNaCl/cm ² for a pcb of 100 cm ²
POWER SUPPLY	230 V AC 50 Hz , 110V AC 60 Hz in option
WEIGHT	17 kgs
OVERALL DIMENSIONS	L x l x h : 510 x 315 x 590 mm

Measurement driven by PC. The operator registers the sample dimension and dips it into the tank. The test is fully automatic and contamination results are given vs time. The chemistry is regenerated after each test by filtration.

Test chemistry circulation is obtained using a free maintenance pump and a set of valves providing the possibility to switch from regeneration to test circuit.

Very sensitive conductivity cell (0,0001 µS/cm) with integrated temperature probe can detect very low contaminant even on very small samples.

Sophisticated software offers the possibility to record and compare results with International Standards.

Distributor