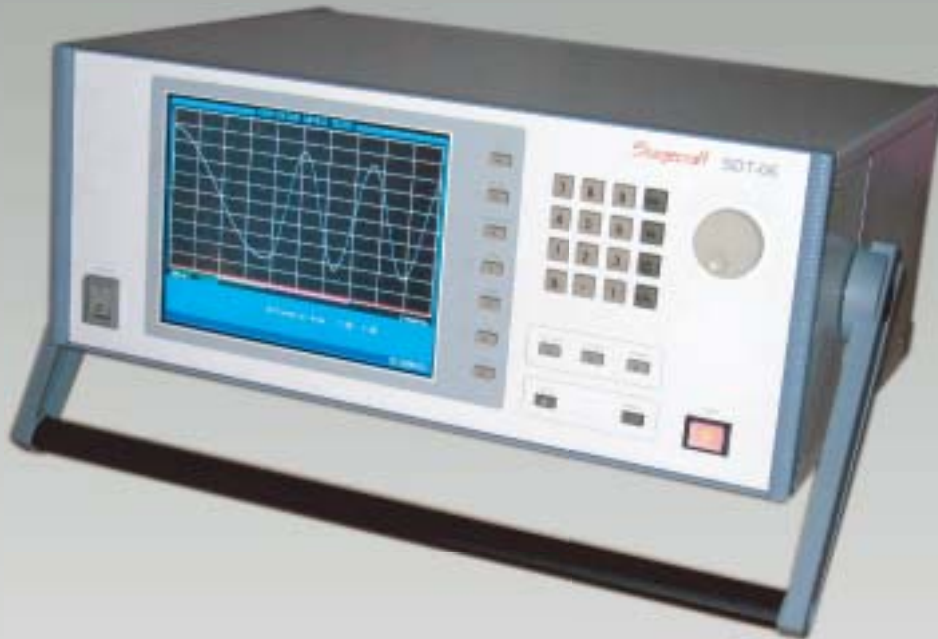


for Highly Accurate Testing

## SOLUTION

10-bit/100MHz  
Voltage Resolution 1024

It is a well-known fact that the surge or impulse voltage test is one of the most effective methods for testing coil windings. When used properly, the Surge Tester is non-destructive and accurately detects winding faults by comparing the inductance and Q-factor of a test winding with that of a known standard.



10-bit A/D Converter is adopted. High resolution provides extremely precise testing.

Improved basic performances of impulse tester (such as signal-to-noise ratio, frequency characteristic, etc.) enabled more detailed Partial Discharge noise detection.

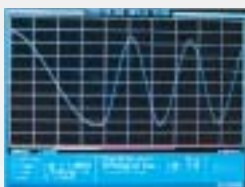
Base line fluctuation of AC or DC coupling due to the temperature change is controlled by the auto zero adjustment; as a result, precision of PASS/FAIL detection has improved. The auto zero adjustment is essential for materializing 10-bit voltage resolution tester.

Estimation of the inductance of master coil can be performed. Because the estimation is calculated by using high voltage, the estimated value may be different from the value of an LCR meter.

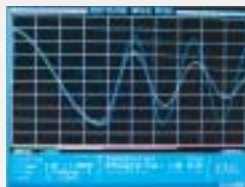
225 types of master waveform can be stored in the main memory. Also, master waveforms and test waveforms can be displayed on PC.

Statistical data such as percent defective, variance, etc. can be displayed in graph.

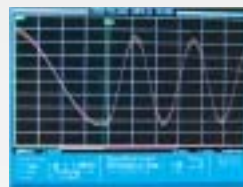
This tester can be remote-controlled on PC.



Decision to PASS



Decision to FAIL



Estimated L displayed  
in Zone setting



Graphical display  
of statistics