



AUTOMATED FILTER TEST

The Automated Filter Tester (AF Tester) is a system designed to automate and control quality control measurements performed on electronic filters.

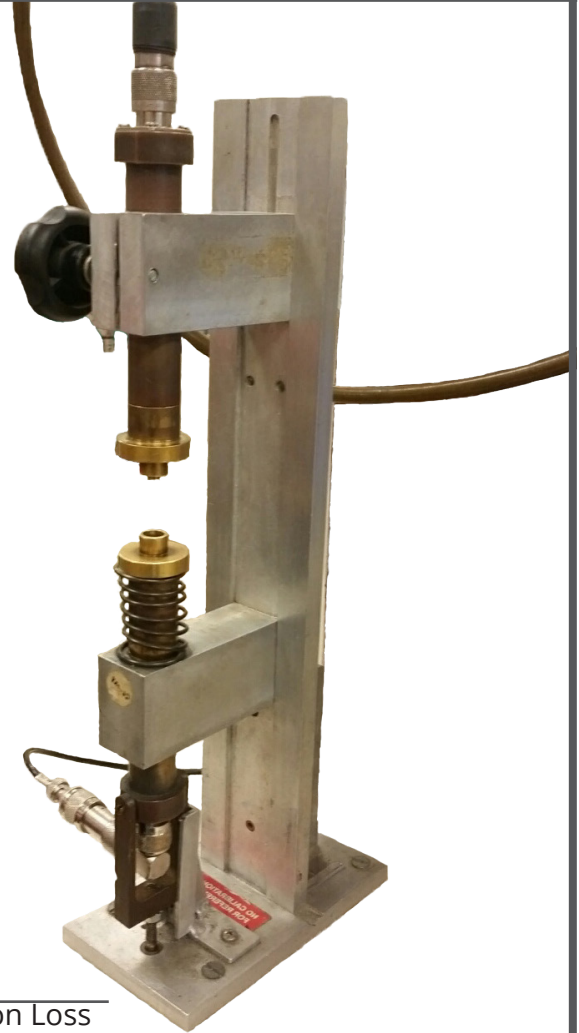
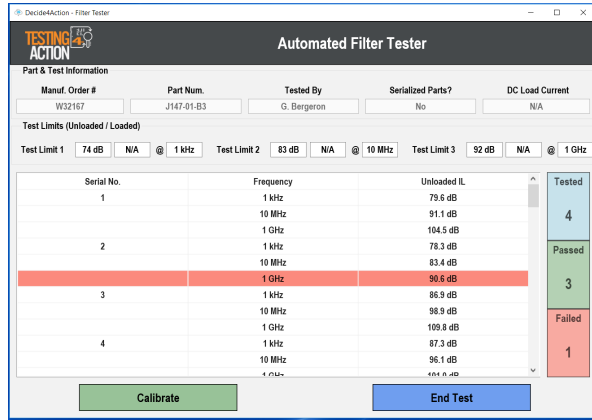


The AF Tester is equipped with a specialized test fixture designed to minimize interference with high frequency measurements. The connectors built into the test fixture and the system's interface with accompanying hardware allow complex tests tailored to the operation to be easily performed with little user involvement.



The AF Tester is controlled via a user interface running on a PC. In addition to interfacing with the various hardware components, the user interface is designed to retrieve machine configuration data from your Test4Action database for automatic machine/test configuration based on a specific part's test requirements. Test results are fed back to your Test4Action database in real time for future archival and data analysis purposes.

KEY SPECIFICATIONS



Parameters	Unloaded Insertion Loss DC Current Loaded Insertion Loss
Capacity	500 Parts / Hour
Interface	USB
Frequency	Range 20 Hz – 5 GHz *Extendable to 20 GHz
DC Load Current	0 A – 72 A @ < 30 V 0 A – 27 A @ 30 V – 80 V *Extendable using a higher power capacity supply
Voltage Slew Rate	0.01 V/s – 160 V/s
Measurements per Sweep	1 - 999
Signal Gen. Level Range	-145 dBm – 18 dBm
Dwell Time	10 ms – 100 s
Dwell Time Resolution	100 μ s
Preamplifier	20 dB
Input Impedance	50 Ω
Testing Specifications	MIL-STD-202, MIL-STD-220

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