

ITC55600C

unclamped inductive load tester



utilities	AC Input Power: AC Fuse: Service: Maximum Current:	120 - 130 VAC 50/60 Hz 115 VAC - 6A 10 A 115 VAC - 6A	230-250 VAC 50/60 Hz 230 VAC = 3A 10 A 230 VAC - 3A
mechanical specifications	Physical Dimensions:	Height: 7.5" (19 cm) Width: 17" (43 cm) Depth: 19.5" (49.5 cm) Weight: 60 lbs. (27 kg)	
electrical specifications	Military Specifications: Output Energy Limits: Output Current x Time (IT) Limit: RPF Test Increment to Failure: Current Sensor Scale Factor: Current Sensor Type: Drain Current Range: Drain Voltage Range: Rated Drain-Source Avalanche Voltage Range: (BVDSS) Gate Pulse Voltage Range: Leakage Test (Pre & Post Avalanche) Solid State Power Switch: Gate Drive Resistance: Parameter Entry: Waveform Capture & Analysis: Outputs:	ITC55600C Testers Conform to MIL-STD-750, Method 3470 1 millijoule to 0.00495 * (VDD) ² joules in 1 millijoule steps (i.e., 50V = 12.375 joules, 100V = 49.5 joules, 150V = 111.375 joules) No Limit Increments ID or L with programmable inductive load box attached 20 mV/Amp 200A to 400A 10 mV/Amp 401A to 600A Hall Effect Sensor 200A to 600A in 1A steps 10 -150 volts in 1 volt steps 10 to 2500 volts in 1.0 volt steps 28V span, 1V steps,bi-polar drive Forced Voltage = 2V to Programmed Drain Voltage (max.) I = 1.0 mA 600 amps 25Ω (50Ω per Kelvin leg) Touch screen display on front panel. GPIB or serial from host computer. Any entry or calculated parameter that produces an out-of-range value indicates the parameter to be changed and a Start Test cannot be initiated until the parameter error has been corrected. Waveforms can be captured and viewed on the LCD front panel display or via GPIB.	
interfaces	Handler Interface: ITC5510-RSF Selector Box: ITC55MUX4: IEEE 488 (GPIB) Interface:	Tesc handler with 15-bin control and ITC5510 compatible interface standard, others are special order. Interface Supported PC Parallel Interface Supported Talker/Listener with Tesc protocol standard; other protocols are special order.	
optional inductive load boxes	ITC5514A: ITC5514B: ITC5515: ITC5516: ITC5517: ITC55140: ITC55170: ITC55190: External Inductor: Load Inductance Range (Software Limits):	0.01 - 159.9 mH - Inductance is manually selected 0.01 - 159.9 mH - Inductance selection is programmable 0.1, 0.3, 1.0, 3.0, 10.0 mH - Inductance selection is programmable 0.001 - 0.300 mH - Inductance selection is programmable 0.01 - 79.9 mH - Inductance selection is programmable 0.01 - 159.9 mH - Inductance selection is programmable 0.01 - 79.9 mH - Inductance selection is programmable Customize 10 Fix Inductances, programmable 500 mH maximum limit Range 1 = 0.001 to 0.300 mH in 0.001 mH steps (using ITC5516) Range 2 = 0.01 to 99.99 mH in 0.01 mH steps (using ITC5514) Range 3 = 100.0 to 159.9 mH in 0.1 mH steps (using ITC 5514)	

Note: Specifications subject to change without notice.

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spec sheet

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ITC55X00C-CROWBAR

general	Maximum Drain Voltage : 2500V Maximum Current: 600A
drain voltage threshold	Range: 10V to 500V Resolution: 1V Triggering/Sensing Accuracy: +/-5V Response Time: <10us
overvoltage	Range: 10V to 2500V Resolution: 1V Accuracy: +/-20V Response Time: <10us

ITC55X00C-WSS

general	Sensing current is 10mA maximum Force/Sense Kelvin Contact Resistance Limit 15 Ohms Max Sense to Force differential voltage is +/- 100V Max
drain voltage measurement	Range: 10V to 2500V Resolution: 1V

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