



# TECH MACRO TESTING SOLUTIONS

WE EQUIP YOU TO TEST WHAT YOU MAKE

**TECH MACRO TESTING SOLUTIONS (TMTS)** IS A LEADIND - SERVICE, TECHNICAL SUPPORT AND CUSTOMISED MANUFACTURING COMPANY BASED IN **DELHI**.

WE ARE SERVIRING OUR NATION BY PROVIDING THE BEST QUALITY OF ELECTRONICS & ELECTRIC GADGETS SINCE – 1990, TO ENHANCE YOUR PRODUCTION / QUALITY OF PRODUCTS, BY SUPPORTING CUSTOMER BASED REQUIRMENTS IN SET **TIME-LINES**.

WE ALSO PROVIDE TECHNICAL CONCLTANCY FOR VARIOUS FIELDS LIKE

- ❖ MOBILE CHARGERS
- ❖ EV CHARGERS/ADOPTER
- ❖ BATTERIES
- ❖ CABLE INDUSTRIES
- ❖ LED LIGHTS
- ❖ AUTOMOBILES
- ❖ MEASURING INSTRUMENTS
- ❖ QC LAB
- ❖ APPLIANCES INDUSTRIES
- ❖ CONTROL PANELS



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**WORKS : PP34 , ANAND PARBAT INDUSTRIAL AREA, DELHI – 110005.**

[www.techmacro.in](http://www.techmacro.in) mail ID [tmts.pankaj@gmail.com](mailto:tmts.pankaj@gmail.com)  
9312241881, 9882570685.



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## ITEM LIST

1. Automatic Multipoint AC source
2. LED Light performance tester
3. Regulated dc power supply
4. High voltage breakdown tester
5. Capacitor tester
6. Mobile charger tester
7. QC mobile charger tester
8. Mobile charger / SMPS PCB testing rig
9. DATA CABLE TESTER
10. Digital power analyser
11. SMPS stress testing rig
12. Fan / motor testing instruments
13. Aging / stress test rack
14. SMPS Load monitoring Panel
15. Battery Charger / Capacity Tester

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## 16. AC-DC Digital Power Analyser

### 1. AUTOMATIC MULTIPOINT AC SOURCE



This source is equipped for life testing (Ageing) of any type of electrical appliances / lights / fans by inserting different voltages for different time intervals which are pre-settable in multi channels. It is available in different models from 2 KVA to 100 KVA in single and 3-phase models with output voltage 90 V – 325 V AC. Output current can be monitored and limited for safety purposes also.

MODEL No.	I / P VOLTAGE	O / P VOLTAGE	I / P CURRENT	CHANNEL
S325AC10	240 V 1PHASE	90-325V AC	10 A Max	4
S325AC20	240 V 1PHASE	90-325V AC	20 A Max	8
S325AC40	240 V 1PHASE	90-325V AC	40 A Max	8
S325AC50	240 V 1PHASE	90-325V AC	50 A Max	8
SCMAC	AS REQUIRED	CUSOMIZED	AS REQUIRED	AS REQ

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## 2. LED LIGHT PERFORMANCE TESTER



This instrument is used for LED Lights and other electrical products which tested at the time of production, QC. It provides all type of tests by clicking one push / foot switch like series test, normal voltage parameters test, low voltage test, high voltage test for jerk testing of such products.

MODEL No.	LOW SETTING	HIGH SETTING	METERS	WATT
J2W30	90-200V	240-300V	V/A/W	200 max
J5W30	90-200V	240-300V	V/A/W	500 max
J2W45	90-200V	240-450V	V/A/W/Pf	200 max
J5W45	90-200V	240-450V	V/A/W/Pf	500 max
JCM	AS REQUIRED	AS REQUIRED	CUSTOMIZED	AS REQ

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## 3. REGULATED DC POWER SUPPLY



DC Regulated Power Supplies are used widely for testing of all devices having DC input like automotive components, LED Lights, Solar controllers, Inverters, Control cards, experimental boards, DC Motors, Battery, Relays, Electroplating, cell phone etc.

These Unit have wide ranges of voltage (up to 300 V ) and current (up to 2000 A) and wide range of uses like R&D, productions, electronics LAB, repair work, performance testing, Battery charging and electroplating etc. as these are variable DC source and can be used in constant current / constant voltage mode.

MODEL No.	OUTPUT VOLT	CURRENT LIMIT	DIGITAL METERS	INPUT
PS 3005	0-30V DC	0.10 A - 5.00 A	Volt and Amp	220V AC
PS 3010	0-30V DC	0.1 A -10.00 A	Volt and Amp	220V AC
PS 6005	0-60V DC	0.10 A -5.00 A	Volt and Amp	220V AC
PS 3005	0-60V DC	0.1 A -10.00 A	Volt and Amp	220V AC
PSCM	AS REQUIRED	AS REQUIRED	CUSTOMIZED	AS REQ

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## 4. HIGH VOLTAGE BREAKDOWN TESTER



High voltage breakdown testers also known as High-POT tester are used for testing of the standard insulation quality for all type of electronic and electrical Products / appliances.

These are available in wide range of voltage (up to 30KV) and current (up to 500mA) with digital meters and electronic controls.

MODEL No.	OUTPUT VOLT	CURRENT LIMIT	DIGITAL METERS	INPUT
5HPT30	0-5KV AC	0.3mA-30mA	Volt and Amp	220V AC
5HPT30D	0-5KV DC	0.3mA-30mA	Volt and Amp	220V AC
10HPT30	0-10KV AC	0.3mA-30mA	Volt and Amp	220V AC
10HPT30D	0-5KV DC	0.3mA-30mA	Volt and Amp	220V AC
HPTC	AS REQUIRED	AS REQUIRED	CUSTOMIZED	AS REQ

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## 5. CAPACITOR TESTER



As you know we can find the mfd value of a capacitor with help of conventional capacitor tester.

We are making this instrument to test the voltage withstand capacity of the capacitor it also shows the quality of capacitor with help of current drawn by applying voltage.

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## 6. MOBILE CHARGER TESTER WITH LOAD



Mobile charger tester is used to test the circuit of mobile charger for production with variable electronic load up to 5Amp to ensure the quality of product. It is equipped with variable electronic load to set current at desired value with all readings like no load/on load voltage, series fail indication, input/output, voltage/current and ok/fail indication.

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## 7. QC MOBILE CHARGER TESTER



Mobile charger tester with three protocol software to shift 5-9 and 12 volt automatically is used to test the circuit of mobile charger for production with variable electronic load up to 5Amp i.e. 60 watt to ensure the quality of product. It is equipped with variable electronic load to set current at desired value with series fail indication, input / output, voltage / current and ok / fail indication.

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## 8. AGEING PANEL FOR STRESS TEST



This is multipoint variable type load panel for adpoter/chargers and SMPS supplies it tests lot wise bulk items at full load for desired time and sort out the fail or undervalued pieces with any type of manufacturing defects before to improve quality and avoid field failure

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## 9. DATA CABLE TESTER



Mobile charging/DATA /AUX and many other cables can be test or compare with help of this instrument, this test cable sequence and shorting after it gets ok it inject real current up to 5 amp and with help of voltage drop it provides the capacity of cable with digital current meter, a 6 digit counter also provided to count the OK production of the day, although fail indication does not fet counted.

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## 10. DIGITAL POWER ANALYSER



Digital power analyser is compact portable easy to use for finding all six parameters to approve and compare the quality of any type of electrical appliances or device with digital display of voltage, current, apparent power, power factor, wattage as well as frequency of given ac source and load

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## 11. MOBILE CHARGER / SMPS PCB TESTING RIG



This is custom build equipment made for particular PCB / panel to test on desired electronic load with pass fail indications to test components and board before fixing in housing.

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## 12. SMPS STRESS TESTING RIG



SMPS supplies used in computers can be tested on this RIG. This is basically a resistive load bank and is used to measure the capacity of any type of DC supplies and any other type of power packs of this rating. As it is having six channels in a single panel and can use to test multi output power supply like SMPS of computers with independent settings of all six channels.

It's a smart testing of your power pack with resistive load hanging over it. The load is in step variable in this RIG. It is portable, low-cost, general-purpose, easy to use and versatile

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## 13. FAN / MOTOR TESTING INSTRUMENTS



Input test panel is portable easy to use for finding all four parameters to approve the quality of any type of electrical appliances or device with digital display of voltage, current, wattage as well as frequency at desired ac voltage and load.

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## 14. SMPS LOAD MONITORING PANEL



Multi output SMPS supplies used in computers and other applications are tested on this equipment. This is basically an electronic load bank and is used to measure the capacity of any type of DC supplies with independent settings of all six /desired channels. It's a smart testing of your power pack with electronic load hanging over it. The load is in continuous variable type. It is portable, low-cost, general-purpose, easy to use and versatile

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## 15. BATTERY CHARGER / CAPACITY TESTER



This equipment is used to test the quality of battery by charging/discharging battery/power bank at desired current and voltage.

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## 16. AC-DC DIGITAL POWER ANALYSER



17.

For mobile charger/SMPS circuit this is useful equipment for quality and capacity testing of source it have in-built variable DC load for capacity testing of the circuit it have in-built variable AC supply from 0-300V for precision testing.

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