



**EMBUILT**  
TECHNOLOGIES

# THDPM-2

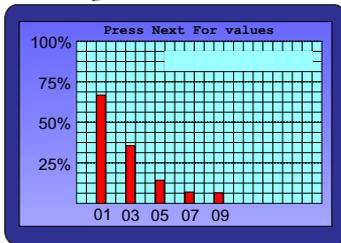


## Total Harmonics Distortion Power Meter



### MAIN PAGE

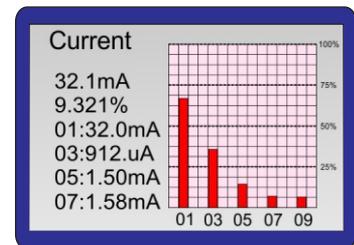
- Voltage, Current, Wattage PF, Frequency
- Voltage THD, Current THD
- Net Effect of Load
- Model Number
- Pass / Fail Status
- Real Time Clock



### GRAPHICAL HARMONIC SPECTRUM VIEW

Order	V	V%	A	A%
01	236.0V	99.9%	31.76uA	99.2%
03	2.82V	1.19%	891.5uA	2.78%
05	1.045V	0.44%	1.452uA	2.53%
07	2.063V	0.87%	1.502uA	4.69%
09	0.987V	0.41%	891.5uA	4.45%
11	1.015V	0.42%	790.3uA	2.46%

Calculating Spectrum



### VOLTAGE & CURRENT THD PAGE



## FEATURES

- AC Parameters : V, A, W, PF, Hz, VA**
- Production Testing with Data Logging**
- Voltage and Current THD**
- Automatic Increase Serial Number**
- Harmonics : Up to 55<sup>th</sup> Order**
- Pass / Fail facility for saved 1008 models**
- Real Time Clock For Data Logging**
- Log on connect in Pendrive**
- Big LED Display for clear view**
- Software Interfacing Facility**
- Software compatible with Bar-code Scanner**
- Internal onboard memory upto 32000 tests**



## COMPREHENSIVE TESTING OF ELECTRICAL APPLIANCES



**LED LAMP**



**LED DRIVER**



**SMPS**



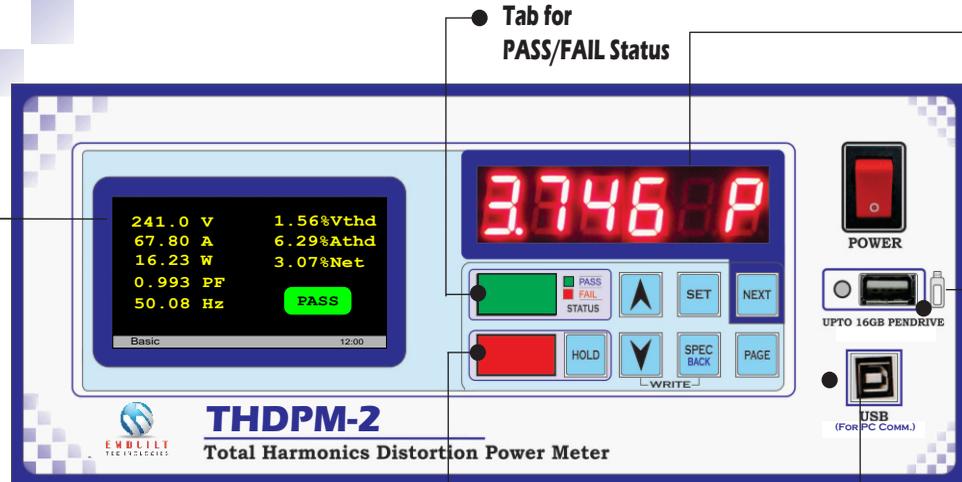
**POWER ADAPTER**



**UPS / POWER ELECTRONICS**



**BLDC FAN**



Large LED Display for Important Parameters:

- V
- A
- P
- PF
- VTHD
- ATHD

Pen Drive upto 16GB For Data logging and Log On Connect

TFT Color Display to show all Electrical Parameters, THD and Harmonic Spectrum

Tab for Hold the Parameters

Optically isolated USB for software interfacing

## TECHNICAL SPECIFICATION

Auxiliary power	180 - 250 V, 50 Hz
Input voltage	5.0 - 500 V, 45 - 55 Hz (45 - 65 Hz, 600V range also available)
Input Current	10mA to 2.0A (Upto 20A range available)
Accuracy	Class 0.2(for electrical parameters) 1.0% (for THD)
Resolution	480X320 pixels
Display	TFT Color & bright LED Display

## ORDERING CODE

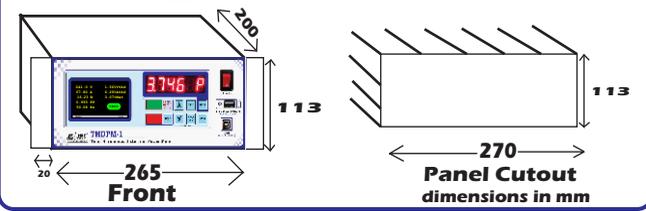
**THDPM -1/P2**

Total Harmonics Distortion Power Meter

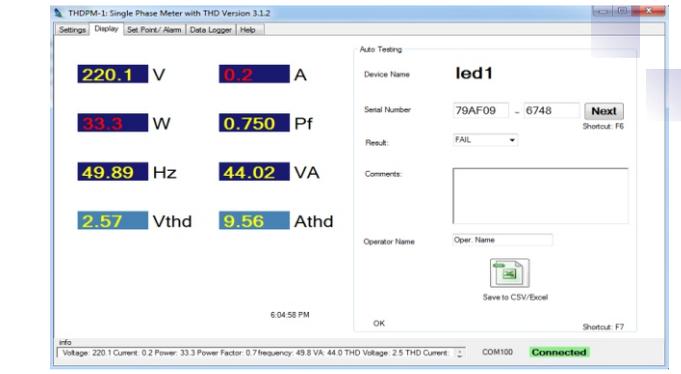
Single Phase

Input Current  
 P2=0.2 Amp  
 P5=0.5 Amp  
 2 = 2.0 Amp  
 5 = 5.0 Amp  
 10= 10.0 Amp

## DIMENSION



## SOFTWARE



## PDF REPORT GENERATION

Harmonics Analysis Report

ABC PVT. LTD.

Operator Name: M.A. Duggal

Test Model: CR 100W

Test Requested by: M.S.D. Department

Spectrum Of Current Harmonics

Spectrum Of Voltage Harmonics

Report Generated by THDPM-1 Software © Embuilt Technologies www.embuilt.com

Harmonic Order	Voltage	% VTHD	Amps THD	Amps THD%	Comment
1	234.20 V	99.96	20.10 mA	98.04	
3	80.77 mV	0.04	9.29 mA	39.64	
5	2.85 V	1.09	5.76 mA	24.64	
7	2.99 V	1.23	5.17 mA	21.29	
9	222.30 mV	0.09	1.48 mA	6.35	
11	1.41 V	0.60	1.89 mA	8.04	
13	711.70 mV	0.30	1.52 mA	6.51	
15	130.50 mV	0.06	1.02 mA	4.38	
17	189.30 mV	0.08	892.80 uA	2.92	
19	128.10 mV	0.05	871.70 uA	2.72	
21	40.36 mV	0.02	612.80 uA	2.62	
23	89.48 mV	0.03	441.10 uA	1.89	
25	23.72 mV	0.01	445.80 uA	1.91	
27	38.15 mV	0.02	489.80 uA	2.01	
29	40.96 mV	0.02	399.90 uA	1.71	
31	40.16 mV	0.02	286.20 uA	1.57	
33	20.98 mV	0.01	291.50 uA	1.26	
35	14.05 mV	0.01	248.40 uA	1.06	
37	26.10 mV	0.01	249.30 uA	1.07	
39	29.72 mV	0.01	199.80 uA	0.92	
41	24.09 mV	0.01	161.10 uA	0.69	
43	35.14 mV	0.01	273.30 uA	1.17	
45	25.90 mV	0.01	226.80 uA	1.01	
47	11.04 mV	0.00	99.74 uA	0.43	
49	13.95 mV	0.01	81.31 uA	0.39	
51	8.84 mV	0.00	141.50 uA	0.61	
53	16.96 mV	0.01	148.80 uA	0.64	

- Features :
- Report Generation
  - Data logger
  - Online Graphing
  - Real Time View

Developed & Manufactured By :

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## ACCESSORIES



USB cable Power cable Manual Software CD Patch Cords Pen-drive Tower Light