



**EMBUILT**  
TECHNOLOGIES

# THDPM-1

## Total Harmonics Distortion Power Meter

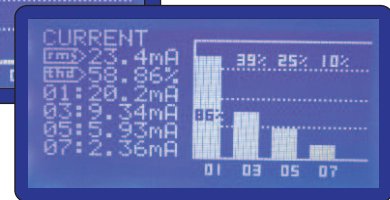
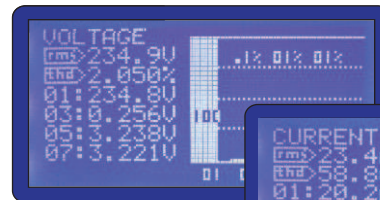


### MAIN PAGE

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



### GRAPHICAL HARMONIC SPECTRUM VIEW



### VOLTAGE & CURRENT THD PAGE



## FEATURES

- AC Parameters : V, A, W, PF, Hz, VA**
- Voltage and Current THD**
- Harmonics : Up to 55<sup>th</sup> Order**
- Real Time Clock For Data Logging**
- Big LED Display for clear view**
- Software compatible with Bar-code Scanner**
- Production Testing with Data Logging**
- Automatic Increase Serial Number**
- Pass / Fail facility for saved 25 models**
- Log on connect in Pendrive**
- Software Interfacing Facility**
- Internal onboard memory upto 32000 tests**



## COMPREHENSIVE TESTING OF ELECTRICAL APPLIANCES



LED LAMP



LED DRIVER



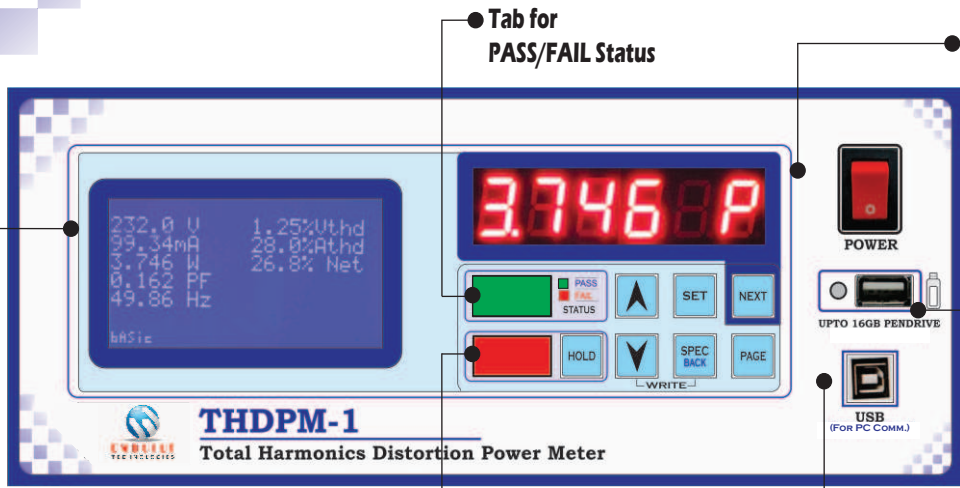
SMPS



POWER ADAPTER



UPS / POWER ELECTRONICS



**Large LED Display for Important Parameters:**

Voltage V  
Current A  
Power W  
PF PF  
VTHD VT  
ATHD AT

**Pen Drive upto 16GB For data logging and Log On Connect**

**Graphic Display to show all Electrical Parameters, THD and Harmonic Spectrum**

**Tab for Hold the Parameters**

**Optically isolated USB for software interfacing**

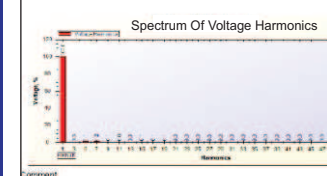
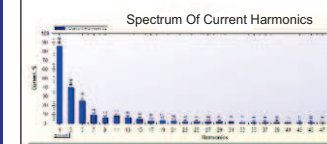
## SOFTWARE



### PDF REPORT GENERATION

#### Harmonics Analysis Report

ABC PVT. LTD.  
 Address: PNH, GZG, HRI (M)  
 Operator Name: Mr. S. Kumar  
 Test Model: CM-500  
 Test Requested By: Mr. R.D. Department



Harmonic Order	Voltage	% VTHD	Amps THD	Amps THD%	Comment
1	224.3	0.00	1.07236	0.00	
2	224.20 V	99.96	201.10 mA	96.04	
3	30.77 mV	0.04	0.26 mA	33.64	
4	2.55 V	1.09	0.76 mA	24.64	
5	2.99 V	1.33	1.17 mA	9.70	
6	222.30 mV	0.09	1.48 mA	6.35	
7	1.41 V	0.63	1.89 mA	3.04	
8	771.70 mV	0.30	1.52 mA	6.51	
9	1.30 50 mV	0.06	1.02 mA	4.38	
10	192.30 mV	0.08	6.82 80 uA	2.92	
11	1.28 10 mV	0.05	671.70 uA	2.73	
12	40.26 mV	0.02	612.80 uA	2.62	
13	58.45 mV	0.03	441.10 uA	1.89	
14	33.72 mV	0.01	445.80 uA	1.81	
15	38.75 mV	0.02	640.80 uA	2.01	
16	40.98 mV	0.02	399.80 uA	1.71	
17	40.18 mV	0.02	368.80 uA	1.57	
18	24.68 mV	0.01	290.80 uA	1.25	
19	14.05 mV	0.01	248.40 uA	1.06	
20	26.70 mV	0.01	249.80 uA	1.07	
21	28.72 mV	0.01	190.80 uA	0.82	
22	24.05 mV	0.01	161.10 uA	0.69	
23	25.14 mV	0.01	273.80 uA	1.17	
24	26.90 mV	0.01	238.80 uA	1.01	
25	11.04 mV	0.00	98.74 uA	0.43	
26	13.85 mV	0.00	91.11 uA	0.39	
27	3.84 mV	0.00	114.80 uA	0.41	
28	18.85 mV	0.01	149.80 uA	0.64	

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

## TECHNICAL SPECIFICATION

<b>Auxiliary power</b>	<b>180 - 250 V, 50 Hz</b>
<b>Input voltage</b>	<b>5.0 - 500 V, 45 - 55 Hz</b> (45 - 65 Hz, 600V range also available)
<b>Input Current</b>	<b>10mA to 2.0A</b> (Upto 10A range available)
<b>Accuracy</b>	<b>Class 0.2</b> (for electrical parameters) <b>1.0%</b> (for THD)
<b>Resolution</b>	<b>Floating Decimal Point</b>
<b>Display</b>	<b>Graphic LCD &amp; bright LED Display</b>

## ORDERING CODE

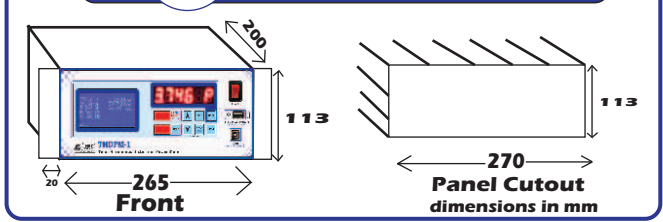
**THDPM -1/P2**

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



**Developed & Manufactured By :**  
**EMBUILT TECHNOLOGIES**  
 A-404, Vaishali Nagar,  
 Jaipur-302021, Rajasthan, INDIA  
 Tel.: +91-141-2240935 Mob.: +91-7524853539  
 E-mail : [info@embuilt.com](mailto:info@embuilt.com)  
 Website : <http://www.embuilt.com>

## ACCESSORIES

