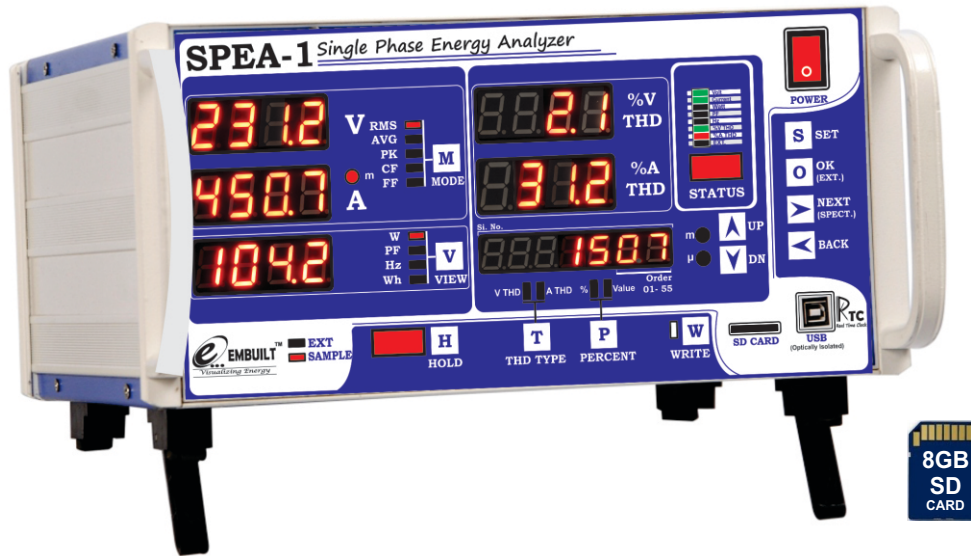


# SPEA-1

## Single Phase Energy Analyzer



### FEATURES



All Electrical Parameters

✓✗ Pass / Fail facility



Total Harmonic Distortion in %

V/A Voltage and Current THD



Harmonics: Upto 55<sup>th</sup> order



Software provided for report generation



SD Card: Data logging with settable time

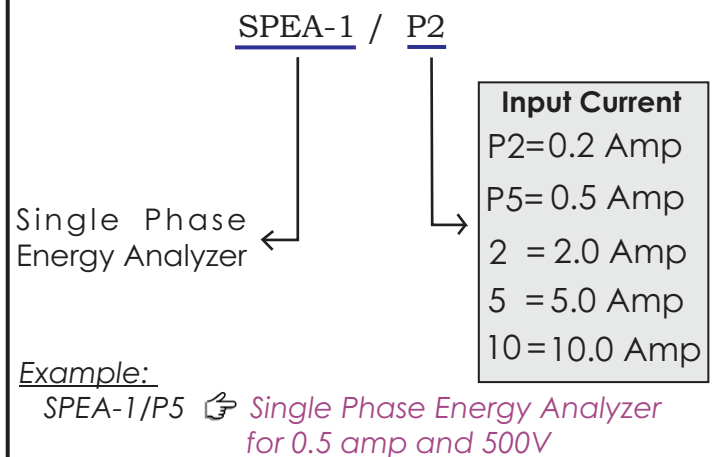


Production Logging with serial no.

### TECHNICAL SPECIFICATION

Auxiliary power	180 - 250 V, 50 Hz
Input voltage	5 - 500 V, 45 - 55 Hz (45 - 65 Hz, 600V range also available)
Input Current	2.0A (Upto 10A range available)
Accuracy	Class 0.2 (for electrical parameters) 1.0% (for THD)
Resolution	Floating Decimal Point
Display	Seven Segment Bright LED display

### ORDERING CODE



### COMPREHENSIVE TESTING OF ELECTRICAL APPLIANCES



CFL



CHOKE



LED DRIVER



SMPS



UPS / POWER  
ELECTRONICS

# KEY FEATURES

- RMS
- Average
- Peak
- Crest Factor
- Form Factor

Mode ●

- Set Limits and PASS/FAIL Status
- Green: Limit OK
- Red: Limit FAIL
- None: Limit not set

## SPEA-1 Single Phase Energy Analyzer

- View : Watt, Power Factor, Frequency, Wh
- RS-485 Interface with external DC meter/Others
- Tab to Hold the Parameters
- Voltage & Amps harmonic upto 5<sup>th</sup>
- Harmonics in Percentage and Value
- Data write in SD Card
- Optically isolated USB for software interfacing

# SOFTWARE



## PDF REPORT GENERATION

Harmonic Order	Voltage	% VTHD	Amps THD	Amps THD%	Comment
1	234.20 V	89.96	20.10 mA	86.04	
5	59.77 mV	0.04	9.29 mA	39.64	
6	2.55 V	1.09	5.76 mA	24.64	
7	2.80 V	1.23	2.17 mA	9.29	
9	222.20 mV	0.09	1.17 mA	5.04	
11	1.41 V	0.60	1.89 mA	8.04	
13	121.70 mV	0.30	1.52 mA	6.51	
15	130.50 mV	0.06	1.02 mA	4.38	
17	182.20 mV	0.08	882.80 uA	2.92	
19	138.10 mV	0.05	871.70 uA	3.73	
21	48.36 mV	0.02	612.80 uA	2.62	
23	63.48 mV	0.03	444.10 uA	1.89	
25	53.73 mV	0.01	445.80 uA	1.91	
27	38.15 mV	0.02	469.80 uA	2.01	
29	40.98 mV	0.02	399.90 uA	1.71	
31	48.18 mV	0.02	366.20 uA	1.57	
33	20.86 mV	0.01	281.80 uA	1.26	
35	14.05 mV	0.01	248.40 uA	1.08	
37	26.10 mV	0.01	240.30 uA	1.07	
39	23.72 mV	0.01	230.80 uA	0.92	
41	24.09 mV	0.01	181.10 uA	0.68	
43	25.14 mV	0.01	273.20 uA	1.17	
45	25.90 mV	0.01	238.80 uA	1.01	
47	11.04 mV	0.00	89.74 uA	0.43	
49	13.95 mV	0.01	81.11 uA	0.39	
51	19.84 mV	0.00	141.80 uA	0.61	
53	18.96 mV	0.01	149.60 uA	0.64	
55					

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

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ver. 18C15

# ACCESSORIES



Power cable



Manual



USB cable



Software CD



Patch Cords



SD Card