VSHA-701

ADVANCED TEST BENCH FOR CEILING FANS, BLDC MOTORS & AIR COOLERS

EMBUILT TECHNOLOGIES

VSHA-701
VoltSpin Harmonic Analyzer

AC + THD + RPM

241.0 V	1.56%Vthd
67.80 mA	6.29%Athd
16.23 W	RPM- 365
0.993 PF	**PASS**
49.95 Hz	

Sr no-123

240.18U

STATUS · UP · FWD »
HOLD · DN · ESC · REV «

WRITE · F1 · F2 · ? HELP

UPTO 16GB PENDRIVE

RS - 485 · USB For PC COMM. · POWER

PENDRIVE UPTO 32GB

भारत में निर्मित
MADE IN INDIA

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%
			.5uA	4.45%
			.3uA	2.46%

Press Next For values
100% / 75% / 50% / 25%
01 03 05 07 09

Current
32.1mA
9.321%
01:32.0mA
03:912.uA
05:1.50mA
07:1.58mA
01 03 05 07 09

GRAPHICAL HARMONIC SPECTRUM VIEW
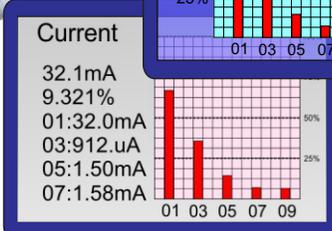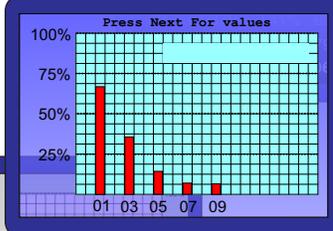
FEATURES

Measures : Volt, Amps, Watt, PF, Hz, THD (Harmonics), RPM

Data Storage : Inbuilt Memory (32K test reports) + USB Pendrive Support

Connectivity : USB Port For PC/Laptop & RS-485 for RPM Sensor

Software : PC Software With Barcode Scanner Support

Tolerance Setting : Set limits for Electrical Parameters, THD and RPM

Pass Fail Indication : Tower light with Red/Green + Relay O/P For PLC Signaling

Auto Serial : Increments Automatically For Each Test

Modes :-
1. **Production -** Auto Serial, Fast Test, Pass/Fail Indication
2. **R&D -** Detailed Parameters of THD report & Spectrum Analysis
3. **Data Logging -** Continuous Recording

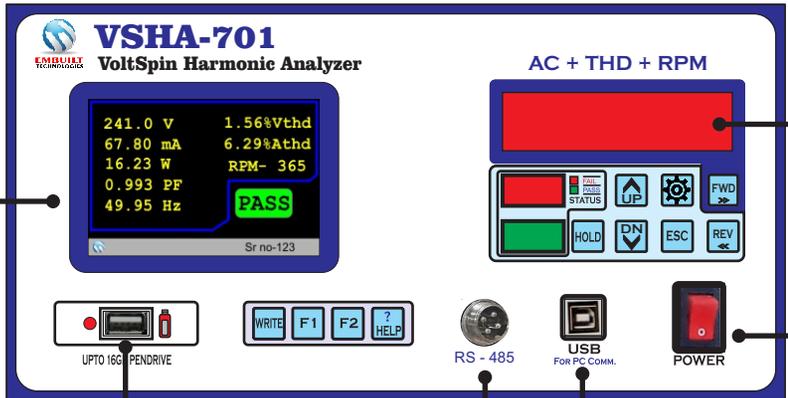## COMPREHENSIVE TESTING OF ELECTRICAL APPLIANCES

BLDC Fan Testing | **Air Cooler** | **1-Phase Motor Testing** | **Exhaust Fan Testing**

21F25

TFT Display to show all AC and Electrical Parameters with RPM

VSHA-701
VoltSpin Harmonic Analyzer

EMBUILT TECHNOLOGIES

AC + THD + RPM

```
241.0 V      1.56%Vthd
67.80 mA     6.29%Athd
16.23 W      RPM- 365
0.993 PF
49.95 Hz     PASS
             Sr no-123
```

FAIL / PASS STATUS — UP — FWD — HOLD — DN — ESC — REV

WRITE F1 F2 ?HELP

UPTO 16GB PENDRIVE

RS - 485

USB FOR PC COMM.

POWER

Large LED Display For Important Parameter

Power button

Pen Drive upto 32GB For Data logging and Log On Connect

RS - 485 Port For RPM Sensor
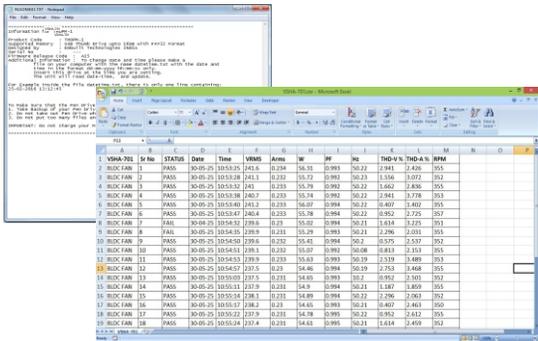
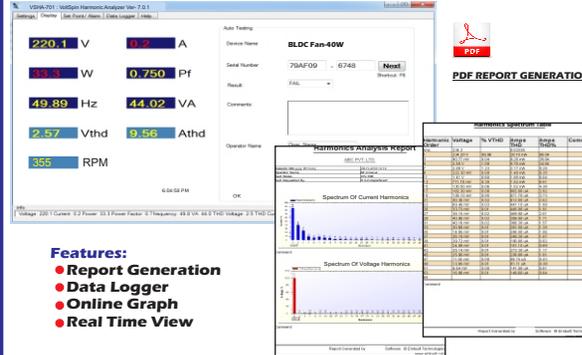**Optically isolated USB for software interfacing**

TECHNICAL SPECIFICATION

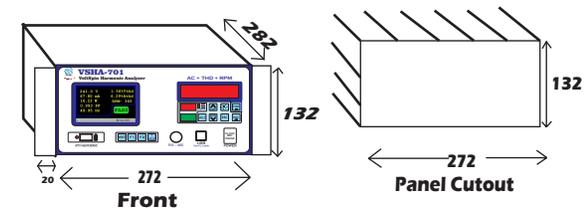|	
Auxiliary Power	**180 - 250 V, 50 Hz**
AC Input Voltage	**5.0 - 500 V, 45 - 55 Hz** (45 - 65 Hz, 600V range also available)
AC Input Current	**10mA to 2.0A** (Upto 20A range available)
RPM Sensor Range	**Upto 9999 RPM** (Measurement Distance upto 1 feet from load)
Accuracy	**Class 0.2** (for Electrical parameters) **1%** (for THD Parameters) **±0.02%RD+1** (for RPM Sensor)

LOG DATA ON PENDRIVE

SOFTWARE

```
220.1  V        0.2    A
13.3   W        0.750  Pf
49.89  Hz       44.02  VA
2.57   Vthd     9.56   Athd
355    RPM
```

Device Name: BLDC Fan-40W
Serial Number: 79AF00 - 6748   Next
Result: FAIL
Comments:
Operator Name:

PDF REPORT GENERATION

Features:
- Report Generation
- Data Logger
- Online Graph
- Real Time View

DIMENSION

282
132
132
272
20
272
Front
Panel Cutout

* All dimensions in mm

Developed & Manufactured By :

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Rajasthan, INDIA
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ACCESSORIES

USB cable | Power cable | Manual | Software CD | Patch Cords | Pendrive | RPM Sensor

21F25