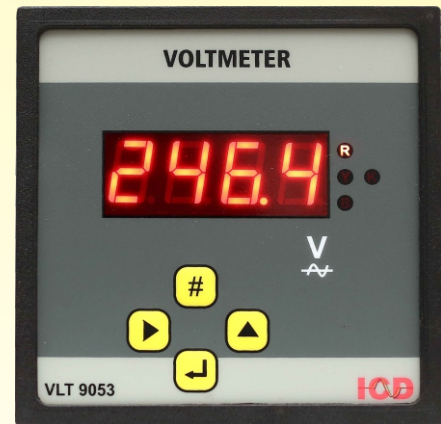


# VOLTMETER

## FEATURES

- Displays Line to Line, Phase to Neutral,
- Field Programmable PT Primary and Secondary values
- True RMS Measurement
- Auxiliary supply working from 90-270VAC
- Direct use on LT & HT installation
- Better Resolution - 0.01kV (HT) and 1V (LT)



## TECHNICAL SPECIFICATION

Model : VLT 9053

## MEASURING INPUT

|                                        |                                                   |
|----------------------------------------|---------------------------------------------------|
| Voltage Input<br>(Line to Line for HT) | : 415 VAC RMS (Line to Line for LT) / 110 VAC RMS |
| Burden on PT Input                     | : 0.25VA per Phase                                |
| Measuring Range                        | : 80-520VAC (LT) / 25-140VAC (HT)                 |
| Resolution                             | : 1V for LT / 0.01KV for HT                       |
| Accuracy                               | : $\pm 1\% + 1$ LSD on Reading                    |
| PT Ration settings                     | : Programmable                                    |

## DISPLAY DATA

|                       |                                                                             |
|-----------------------|-----------------------------------------------------------------------------|
| Type                  | : 4 Digits 0.56" Seven Segment Red LED                                      |
| Selection Indications | : 3mm Red LED lamps for R, Y, B, RY, YB, BR(LT) and R, Y, B, RY, YB, BR(HT) |

## AUXILLARY POWER SUPPLY

|                            |                                                         |
|----------------------------|---------------------------------------------------------|
| Range                      | :                                                       |
| Burden on Auxiliary Supply | : Less than 4VA                                         |
| Dielectric Strength        | : 2kV AC between Casing and Auxiliary Casing and Input. |

## ENVIRONMENT

|                     |            |
|---------------------|------------|
| Ambient Temperature | : 10-55 °C |
| Relative Humidity   | : 95% RH   |
| Standards Complied  | : IS 13875 |

## MECHANICAL DATA

|               |         |                           |
|---------------|---------|---------------------------|
| Box Dimension | Bezel   | : 96(H) x 96(W) mm        |
|               | Cut-out | : 91 X 91mm               |
|               | Depth   | : 40mm (D)                |
| Enclosure     |         | : ABS Plastic             |
| Mounting      |         | : Panel                   |
| Weight        |         | : Approximately 300 grams |



### INDUSTRIAL CONTROLS & DRIVES (INDIA) PVT. LTD.

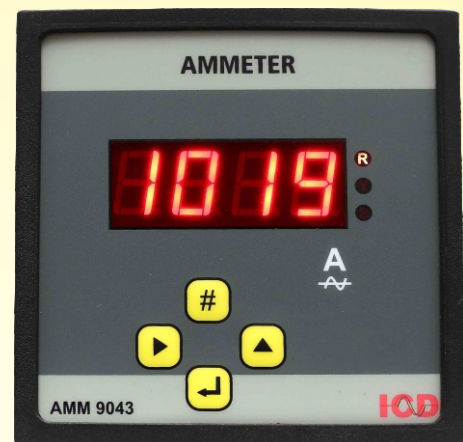
#33, Mettukuppam Road, (Via Alapakkam Road)  
Maduravoyal, Chennai - 600 095, Tamilnadu, India  
Tel : +91 44 4293 4322, 4293 4324, 4293 4335  
Email : sales@icdipl.net, Web : www.icdipl.net



# AMMETER

## FEATURES

- Display phase wise current
- Field Programmable CT Primary and Secondary
- True RMS Measurement
- Auto scaling for High Resolution
- Wide operating voltage
- High accuracy  $\pm 1.0\%$
- ABS Plastic Enclosure



## TECHNICAL SPECIFICATION

Model : AMM 9043

## MEASURING INPUT

|                         |                                            |
|-------------------------|--------------------------------------------|
| Current Input           | : 1A / 5A (user programmable)              |
| Burden On CT Input      | : 0.25VA per Phase                         |
| Primary Current         | : Selectable in steps of 5A                |
| Secondary Current Input | : 1A/5A Selectable                         |
| Accuracy                | : $\pm 1\%$ on Reading                     |
| Measuring Range         | : 2.0% to 120% of rated Secondary Current. |
| Indicating Resolution   | : 0.1A up to 100A<br>1A above 100A         |

## DISPLAY DATA

|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| Type                 | : 4Digits 0.5" Seven Segment Red LED                         |
| Phase Indications    | : R,Y ,B Phase by 3mm LED Lamps                              |
| Phase Selections     | : By Keypad                                                  |
| Displayed Parameters | : R, Y, B Phase current in full scale and<br>Average current |

## AUXILLARY POWER SUPPLY

|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| Rating                     | : 90-270V AC/DC                                        |
| Burden on Auxiliary Supply | : Less than 4VA                                        |
| Dielectric Strength        | : 2kV AC between Casing and Auxiliary & Case and Input |

## ENVIRONMENT

|                     |                         |
|---------------------|-------------------------|
| Ambient Temperature | : 10-55 °C              |
| Relative Humidity   | : 95% RH Non Condensing |
| Standards Complied  | : IS 13875              |

## MECHANICAL DATA

|               |         |                           |
|---------------|---------|---------------------------|
| Box Dimension | Bezel   | : 96(H) x 96(W) mm        |
|               | Cut-out | : 91 X 91mm               |
|               | Depth   | : 40mm (D)                |
| Enclosure     |         | : ABS Plastic             |
| Mounting      |         | : Panel                   |
| Fixing        |         | : By Side clamps          |
| Weight        |         | : Approximately 300 grams |



### INDUSTRIAL CONTROLS & DRIVES (INDIA) PVT. LTD.

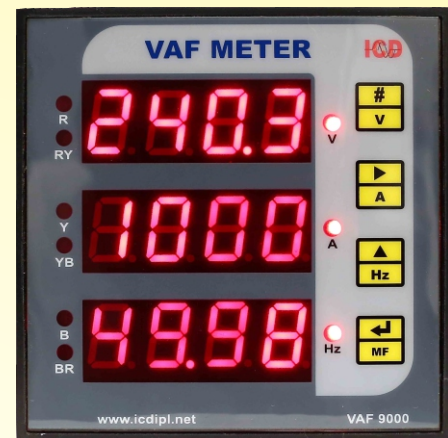
#33, Mettukuppam Road, (Via Alapakkam Road)  
Maduravoyal, Chennai - 600 095, Tamilnadu, India  
Tel : +91 44 4293 4322, 4293 4324, 4293 4335  
Email : sales@icdipl.net, Web : www.icdipl.net



# VAF METER

## FEATURES

- Single meter indicate Volt, Current and Frequency.
- Three line LED Display.
- Model with 5A / 1A Secondary.
- Password Programmable CT, PT Ratio
- Auto scaling High Resolution.
- Wide operating Voltage.
- Displays Line to Line Voltage, Average voltage & current, Line Current in Amps and frequency



## TECHNICAL SPECIFICATION

Model : VAF 9000

### Voltage Circuit

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Nominal Input Voltage            | : Phase to Neutral 240V / Line to Line 415V |
| System PT Primary Value          | : 100V LL 692kV LL Programmable             |
| Maximum Continuous Input Voltage | : 120% of Rated value.                      |
| Voltage Range of Measurement     | : 10 - 300V of Input                        |
| Frequency Range                  | : 40-60Hz.                                  |
| Burden on PT Input               | : 0.25VA per Phase                          |

### Current Circuit

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Nominal Input Current            | : 5A AC RMS                         |
| System CT Primary Value          | : 1A - 9999A Programmable           |
| Maximum Continuous Input Current | : 120% of Rated value.              |
| Current Range of Measurement     | : 0.5% - 20% of Rated Current Input |
| Burden on CT Input               | : 0.25VA per Phase                  |

## Display Data

|                       |                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type                  | : 0.56" Seven Segment Red LED                                                                                                                           |
| No of Inputs          | : 4 Digits x 3 Rows. It displays simultaneously 3 Phase Voltage, 3 Line to Line Voltage, 3 Phase Current, Average Voltage, Average Current & frequency. |
| Indicating Resolution | : 0.1V for LT, 0.01KV for HT / 0.1A < 100A / 1A >100A / 0.01Hz                                                                                          |
| Accuracy              | : $\pm 0.5\%$ +2LSD on reading for Voltage and Current, $\pm 0.5\%$ on reading for Frequency.                                                           |

## Auxiliary Power Supply

|                            |                                                         |
|----------------------------|---------------------------------------------------------|
| Rating                     | : 90 - 270 VAC                                          |
| Burden on Auxiliary Supply | : Less than 4VA                                         |
| Dielectric Strength        | : 2kV AC between Casing and Auxiliary Casing and Input. |

## Environment

|                     |                         |
|---------------------|-------------------------|
| Ambient Temperature | : 10-55 °C              |
| Relative Humidity   | : 95% RH Non condensing |
| Standards Complied  | : IS 13875              |

## Mechanical Data

|               |         |                           |
|---------------|---------|---------------------------|
| Box Dimension | Bezel   | : 96 X 96mm               |
|               | Cut-out | : 91 X 91mm               |
|               | Depth   | : 45mm                    |
| Enclosure     |         | : ABS Plastic             |
| Mounting      |         | : Panel                   |
| Fixing        |         | : By Side clamps          |
| Weight        |         | : Approximately 300 grams |



### INDUSTRIAL CONTROLS & DRIVES (INDIA) PVT. LTD.

#33, Mettukuppam Road, (Via Alapakkam Road)  
Maduravoyal, Chennai - 600 095, Tamilnadu, India  
Tel : +91 44 4293 4322, 4293 4324, 4293 4335  
Email : sales@icdipl.net, Web : www.icdipl.net

