



DIGITAL METERS WITH LED DISPLAY



FEATURES:

- True RMS measurements
- LED Displays with 4 or 3 digits
- Measurement ranges from 0...500 V and 0...9999 A
- CT ratio adjustment for A-meters ... /5 A
- CT ratio from 1 ... 2000
- Measurement range for Frequency meters 20 ... 500 Hz.
- Accuracy ± 1 % (± 0.2 % for Frequency meters)
- Power supply 230 V AC ± 20 %, 50/60 Hz
- Power consumption < 3 VA
- Ambient temperature: 5 °C ... + 55 °C

DIGITAL PANEL VOLTMETER - DM 206



Use

Measures very accurately, the voltage value of the any line (AC+DC) in true RMS. Any line can be measured between 0...500 V.

Features

- Display: 3 digit, red, 10 mm
- Measurement range: 0...500 V
- Accuracy: ± 1 % + 2 d
- Supply Voltage: 220 V AC ± 20 %, 50/60 Hz
- Power Consumption: < 3 VA
- Ambient Temperature: -5 °C...+ 55 °C
- Weight: 0.23 kg

Dimensions



Connection scheme



DIGITAL PANEL AMPEREMETER - DM 208



Use

Measures very accurately, the current value of the any line (AC+DC) in true RMS. Any line can be measured between 0...9999 A. When the reading excesses 9999 A, it shows Err fault message.

CT Ratio Adjustment

By pressing the button on front panel, CT ratio can be adjust. CT ratio should be .../5 A. For saving adjusted value, just waiting for 3 seconds is enough.

CT Ratios

1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 150, 160, 200, 250, 300, 320, 360, 400, 500, 600, 700, 800, 900, 100, 1200, 1400, 1600, 1800, 2000

Features

- Display: 4 digit, red, 10 mm
- Measurement range: 0...9999 A
- Accuracy: ± 1 % + 2 d
- Supply Voltage: 220 V AC ± 20 %, 50/60 Hz
- Power Consumption: < 3 VA
- Ambient Temperature: -5 °C...+55 °C
- Weight: 0.23 kg

Dimensions



Connection schemes





Note: Device will be damaged when voltage is applied to the current entry or current transformer is selected smaller than needed (as over current will be applied to the device).

DIGITAL PANEL VOLTMETER - DM 306



Use

Measures very accurately, the voltage value of the any line (AC+DC) in true RMS. Any line can be measured between 0...500 V.

Features

- Display: 3 digit, red, 14 mm
- Measurement range: 0...500 V
- Accuracy: ± 1 % + 2 d
- Supply Voltage: 220 V AC ± 20 %, 50/60 Hz
- Power Consumption: < 3 VA
- Ambient Temperature: -5 °C...+ 55 °C
- Weight: 0.28 kg

Dimensions



Connection scheme



DIGITAL PANEL AMPEREMETER - DM 308



Use

Measures very accurately, the current value of the any line (AC+DC) in true RMS. Any line can be measured between 0...9999 A. When the reading excesses 9999 A, it shows Err fault message.

CT Ratio Adjustment

By pressing the button on front panel, CT ratio can be adjust. CT ratio should be .../5 A. For saving adjusted value, just waiting for 3 seconds is enough.

CT Ratios

1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 150, 160, 200, 250, 300, 320, 360, 400, 500, 600, 700, 800, 900, 100, 1200, 1400, 1600, 1800, 2000

Features

- Display: 4 digit, red, 14 mm
- Measurement range: 0...9999 A
- Accuracy: ± 1 % + 2 d
- Supply Voltage: 220 V AC ± 20 %, 50/60 Hz
- Power Consumption: < 3 VA
- Ambient Temperature: -5 °C...+ 55 °C
- Weight: 0.28 kg

Dimensions



Connection schemes



Note: Device will be damaged when voltage is applied to the current entry or current transformer is selected smaller than needed (as over current will be applied to the device).

DIGITAL MULTIMETER – DM 310



Use

DM 310 is very advanced multimeter which gives user precise readings in 4 digits and seperate CT ratio adjustments for flexible systems. It is not only measures the current pulled from the L1, L2, L3, but also voltage and frequency of those lines in True RMS.

There is 5 rows for measurement digits. Three for the currents that are showed continuously, one for the voltage that is cycling every 3 seconds (V_{L1} , V_{L2} , V_{L3} , V_{L1-L2} , V_{L1-L3} , V_{L2-L3}) and one for the frequency of the line voltmeter shows (between phases shows the first phase's frequency).

Amperemeter

Measures very accurately, the current value of the line (AC+DC) in True RMS. When the reading excesses 9999 A, it shows Err1 fault message.

- * Each line can be measured between 0-9999 A
 - 4 digit display gives exact values
- * Each line can have different CT ratio
 - This gives flexibility for further modifications of the system
- * CT ratio can be between 1...2000 any value
 - This gives the opportunity of CT calibration

Voltmeter

Measures very accurately, the voltage value of the line (AC+DC) in True RMS. The values measured shown every 3 seconds (V_{L1} , V_{L2} , V_{L3} , V_{L1-L2} , V_{L1-L3} , V_{L2-L3}) in a cycle. If user would like to observe any of the lines value , the only thing is to select the desired value, it will show selected value for 60 seconds continuously, than begins to cycling again.

Frequency meter

Shows the frequency of the line that voltmeter shows. When the voltmeter shows between phases values it shows first phase's frequency. For example: If the voltmeter shows L2-L3 value frequencymeter shows L2 frequency.

CT ratio adjustment

By pressing the MENU 😳 button on the front panel, desired current can be choosed, then CT ratio of the current shown; by pressing 🕐 adjustment digit is choosed and by pressing 🌒 adjustment can be done. For saving adjusted value, just waiting for 5 seconds is enough.

Features

Measurement range:	Amperemeter	09999 A	
	Voltmeter L1, L2, L3	0500 V	
	Frequencymeter	3070 Hz	
Accuracy:	Amperemeter	±1%+2d	
	Voltmeter	±1%+2d	
	Frequencymeter	± 0.2 % + 2 d	
CT ratios:	12000		
Screen:	Amperemeter	3 x 4 digits	
	Voltmeter	3 digits	[]
	Frequencymeter	3 digits	
Supply Voltage:	220 V AC ± 20 %, 50/	60 Hz	
Power Cunsumption:	<= 3 W		69 69 69 690000
Ambient Temperature	90 mm		
Electrical connector:	Socketed connectors		
Connection:	Vertical or front panel		
Dimensions:	96 x 96 mm		
Weight:	0.29 kg		

Dimensions





96 mm

Connection schemes

Current Measurement Inputs		Voltag	Voltage Measurement Supply						
_ L3 _	_ L2 _	_ L1 _		Inputs UPS or					
	<u> </u>		N	L3	L2	L1	1 (L)	k-N)	
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Note: Device will be damaged when voltage is applied to the current entry or current transformer is selected smaller than needed (as over current will be applied to the device).

DIGITAL PANEL FREQUENCY METERS DM 202 & DM 302





Use

Frequency meters measure system frequency. Meters show frequency value in 3 digits.

Features

- Display: 3 digit, red; (DM 202 10 mm, DM 302 14 mm)
- Measurement range: 20...500 Hz (30...500 V AC)
- Accuracy: ± 0.2 % + 2 d
- Supply Voltage: 230 V AC ± 20 %, 50/60 Hz
- Power Consumption: < 3 W
- Ambient Temperature: -5 °C...+ 55 °C
- Weight: 0.26 kg (DM 202), 0.30 kg (DM 302)

Connection scheme for

DM 202 and DM 302



DM 302

83 mm

96 mm

96 mm

90 mm

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Dimensions





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