



Supplier of Control Instrumentation to the South African Electrical Industry

DIGITAL METERS WITH LED DISPLAY

Digital meters with LED display enable fast and accurate survey of electric quantities and are convenient for industrial use as well as for the production and distribution of electric energy. They are panel mounted and enable measurement of TRMS values of electric quantities.



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 $\pm 1\%$ ($\pm 0.2\%$ for Frequency meters)
- Power supply 230 V AC $\pm 20\%$, 50/60 Hz
- Power consumption < 3 VA
- Ambient temperature: $-5\text{ }^{\circ}\text{C}$... $+55\text{ }^{\circ}\text{C}$



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| Type | DM 206 Voltmeter | DM 208 Ammeter | DM 306 Voltmeter | DM 308 Ammeter | DM 310 Multimeter | DM 202 Frequency meter | DM 302 Frequency meter |
|---------------------|--------------------------------|----------------|------------------|----------------|--|--------------------------------|--------------------------------|
| Front frame (mm) | 72 x 72 | 72 x 72 | 96 x 96 | 96 x 96 | 96 x 96 | 72 x 72 | 96 x 96 |
| Display | 3-digit | 4-digit | 3-digit | 4-digit | Ammeter: 3 x 4-digit Voltmeter: 3-digit Frequency meter: 3-digit | 3-digit | 3-digit |
| Accuracy | $\pm 1\% + 2d$ | $\pm 1\% + 2d$ | $\pm 1\% + 2d$ | $\pm 1\% + 2d$ | Ammeter: $\pm 1\% + 2d$ Voltmeter: $\pm 1\% + 2d$ Frequency meter: $\pm 0,2\% + 2d$ | $\pm 0,2\% + 2d$ | $\pm 0,2\% + 2d$ |
| Measuring range | 0...500 V | 0...9999 A | 0...500 V | 0...9999 A | Ammeter: 0...9999 A Voltmeter L1, L2, L3: 0...500 V Frequency meter: 30...70 Hz | 20...500 Hz (30...500 V AC) | 20...500 Hz (30...500 V AC) |
| Power Supply | 230 V AC $\pm 20\%$, 50/60 Hz | | | | | | |
| CT ratio* | - | 1...2000 | - | 1...2000 | 1...2000 | - | - |
| Power consumption | < 3 VA | < 3 VA | < 3 VA | < 3 VA | ≤ 3 W | ≤ 3 W | ≤ 3 W |
| Ambient temperature | -5 °C ... +55 °C | | | | | | |
| Weight (kg) | 0,23 | 0,23 | 0,28 | 0,28 | 0,29 | 0,26 | 0,30 |

*CT ratio: 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.