METRAVI
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ANALOGUE MULTIMETER 6060

DESCRIPTION

The multimeter is for everyday use by electrical professionals.
It offers the following functions:

- **Voltmeter**: voltage measurement (V_{DC} and V_{AC})
- **Ammeter**: current measurement (A_{DC} and A_{AC})
- **Ohmmeter**: resistance measurement (Ω) with manual calibration

REFERENCE CONDITIONS

Temperature: 23°C ±2K
Humidity: 45%RH ±5%
Position: horizontal ±2°

SPECIFICATIONS

DC VOLTAGE

VDC	2.5V	10V	25V	100V	250V	500V	1000V	2500V
Range(indication)	50	100	50	100	50	50	100	50
Reading coefficient	×0.05	×0.1	×0.5	×1	×5	×10	×10	×50
Internal resistance	50kΩ	200kΩ	500kΩ	2MΩ	5MΩ	4.5MΩ	9MΩ	22.5MΩ
Accuracy	1.5%							
Admissible overload	240V	420V	600V	600V	600V	600V	1200V	2500V

AC VOLTAGE

VAC	2.5V	10V	25V	100V	250V	1000V	2500
Range(indication)	2.5	100	50	100	50	100	50
Reading coefficient	×1	×0.1	×0.5	×1	×5	×10	×50
Internal resistance	22.5kΩ	90kΩ	225kΩ	900kΩ	2.25MΩ	9MΩ	22.5MΩ
Accuracy	2.5%						
Bandwidth	400Hz						
Admissible overload	240V	320V	470V	600V	600V	1200V	2500V

DC CURRENT

ADC	Scale (indication)	Reading coefficient	Voltage drop at inputs	Accuracy	Protection
1mA	100	×0.01	480mV	1.5%	3A/500V
10mA	100	×0.1	480mV		
50mA	50	×1	480mV		
100mA	100	×1	480mV		
250mA	50	×5	480mV		
1000mA	100	×10	480mV		
10A	100	×0.1	100mV		10A/500V

*Technical Specifications & Appearance are subject to change without prior notice

AC CURRENT

AAC	100mA	1000mA	2500mA	10A
Scale(indication)	100	100	50	100
Reading coefficient	×1	×10	×50	×0.1
Voltage drop at inputs	1.2V	1.2V	1.2V	100mV
Accuracy	2.5%			
Protection	3A/500V			10A/500V

Ω RESISTANCE MEASUREMENT

Zero adjustment on the ohmmeter is carried out using the calibration button (front) by short-circuiting the inputs.

Ω	Ω×1	Ω×10	Ω×100	Ω×1k	Ω×10k
Scale(indication)	2k…0				
Reading coefficient	×1	×10	×100	×1000	×10000
Internal resistance	16.5Ω	165Ω	1.65kΩ	16.5kΩ	165kΩ
End of scale current	90.9mA	9.09mA	909µA	90.9µA	54.5µA
Open circuit voltage	1.5V				9V
Accuracy	±10%				
Admissible	400V				

GENERAL CHARACTERISTICS

Dimensions and weight

Dimensions: 165×105×50mm

Weight: 670g

Power supply

1.5V×3 battery (AA)

Maximum climatic conditions

Temperature	use -10ºC to +50ºC; storage -30ºC to +70ºC
Relative humidity	use ≤80% HR
Altitude	use <2000m

Compliance with international standards

Electrical safety (EN 61010-1:2001)

CEI 1010-1 EN61010 NF-C 42020 VDE 0411

Double insulation:

- Pollution level: 2
- Installation category: III according to CEI 664
- Allocated voltage: 600V

Electromagnetic compatibility

- Emission (EN 61326-1:2006)
- Immunity (EN 61326-1:2006)

Maximum influence in the presence of conducted radio frequencies: 3 times the accuracy class if the length of the measured circuit is >3m