1. ELECTRICAL SPECIFICATIONS

Accuracy calculated as ±[%reading + (num dgt * resolution)] ta 18°C ÷ 28°C, <75%HR

DC VOLTAGE

Range	Resolution	Accuracy	Input impedance	Overload protection
600.0mV	0.1mV	±(1.0%rdg+2dgt)	10MΩ	1000VDC/ACrms
6.000V	0.001V			
60.00V	0.01V			
600.0V	0.1V			
1000V	1V			

AC TRMS VOLTAGE

Range	Resolution	Accuracy (*) 50Hz ÷ 60Hz	Accuracy (*) 61Hz ÷ 400Hz	Overload protection
6.000V	0.001V	±(1.0%rdg+8dgt)	±(2.0%rdg+8dgt)	1000VDC/ACrms
60.00V	0.01V			
600.0V	0.1V			
1000V	1V	±(1.2%rdg+3dgt)	±(2.5%rdg+3dgt)	

Input impedance: 10MΩ, Crest factor: ≤3 (up to 500V), ≤1.5 (up to 1kV)
(*) Accuracy specified from 5% to 100% of measurement range

DC CURRENT

Range	Resolution	Accuracy	Overload protection
600.0µA	0.1µA	±(1.0%rdg+3dgt)	Fast Fuse 0.8A/1kVAC/DC (inputs mA, µA)
6000µA	1µA		
60.00mA	0.01mA		
600.0mA	0.1mA		
6.000A	0.001A	±(1.5%rdg+3dgt)	Fast Fuse 10A/1kVAC/DC (input 10A)
10.00A (*)	0.01A		

(*) 20A for max 30s with not declared accuracy

AC TRMS CURRENT

Range	Resolution	Accuracy (*) 40Hz ÷ 400Hz	Overload protection
600.0µA	0.1µA	±(1.5%rdg+3dgt)	Fast Fuse 0.8A/1kVAC/DC (inputs mA, µA)
6000µA	1µA		
60.00mA	0.01mA		
600.0mA	0.1mA		
6.000A	0.001A	±(2.0%rdg+3dgt)	Fast Fuse 10A/1kVAC/DC (inputs 10A)
10.00A (**)	0.01A		

(*) Accuracy specified from 5% to 100% of measurement range
(**) 20A for max 30s with not declared accuracy

DIODE TEST

Range	Max test current	Open volatge	Overload protection
→|←	0.9mA	2.8V	1000VDC/ACrms

RESISTANCE AND CONTINUITY TEST

Range	Resolution	Accuracy	Open voltage	Buzzer	Overload protection
600.0Ω	0.1Ω	±(1.0%rdg+4dgt)	2.8V	<100Ω	1000VDC/ACrms
6.000kΩ	0.001kΩ				
60.00kΩ	0.01kΩ				
600.0kΩ	0.1kΩ				
6.000MΩ	0.001MΩ				
60.00MΩ	0.01MΩ	±(2.0%rdg+10dgt)			

FREQUENCY (Electronic circuits)

Range	Resolution	Accuracy	Sensitivity	Overload protection
9.999Hz	0.001Hz	±(0.1%rdg+2dgt)	0.8Vrms min (20% < duty < 80%, <100kHz) 5Vrms min (20% < duty < 80%, >100kHz)	1000VDC/ACrms
99.99Hz	0.01Hz			
999.9Hz	0.1Hz			
9.999kHz	0.001kHz			
99.99kHz	0.01kHz			
999.9kHz	0.1kHz			
9.999MHz	0.001MHz			

FREQUENCY (Electrical circuits)

Range	Resolution	Accuracy	Sensitivity	Overload protection
10 ÷ 400Hz	0.001Hz	±(1.5%rdg+5dgt)	15Vrms 10Arms	1000VDC/ACrms

DUTY CYCLE

Range	Resolution	Accuracy	Overload protection
0.1 ÷ 99.9%	0.01%	±(1.2%rdg+2dgt)	1000VDC/ACrms

Pulse width: 100µs ÷ 100ms ; Frequency: 5Hz ÷ 150kHz

HT ITALIA SRL
Via della Boaria 40 - 48018 Faenza (RA)- Italy
Tel: +39-0546-621002 - Fax: +39-0546-621144
email: export@htitalia.it - web: http://www.ht-instruments.com

2. GENERAL SPECIFICATIONS

Display:
- LCD, 3½dgt, 6000 counts, sign, decimal point and bargraph
- Automatic polarity indication
- Backlight
- "**OL**" over range indication
- Response time: 2/s

Features:
- Data HOLD
- MAX/MIN
- RANGE
- REL
- Auto Power OFF after 15 minutes of idleness

Low battery indication:
- The symbol "[]"appears when the battery voltage is low

Environmental conditions:
- Operating Temperature/Humidity: 5°C ÷ 40°C, <80%HR
- Storage Temperature/Humidity: -20°C ÷ 60°C, <80%HR

General informations:
- Altitude max of use: 2000m
- Pollution degree: 2
- Insulation: double insulation

Power supply:
- 1x9V alkaline battery NEDA 1604 IEC 6F22

Dimensions (L x W x H)
- 175 x 85 x 55mm

Weight (included battery)
- 390g

Reference guidelines:
- Safety : IEC/EN61010-1
- EMC : IEC/EN61326-1
- Measurement category : CAT IV 600V – CAT III 1000V

This product conforms to the prescriptions of the European directive on low voltage 2006/95/EEC and to EMC directive 2004/108/EEC
This product conforms to the prescriptions of the European directive 2011/65/EU (RoHS) and the European directive 2012/19/EU (WEEE)