

HT63P Digital Multimeter



HT63P Digital Multimeter User Manual

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HT63P Digital Multimeter



STORYTELLING





Concern and consideration for doing things right, a wealth of experience acquired over the years, an innate sense for innovation, a Future-oriented project cultivated day by day have all made HT Italia one of the most important and exemplary companies in the Market for electrical measuring instruments and a key point of reference for those, who, over time, have wanted or needed to approach this world from which they demand only the very best. Latest-generation technology, state-of-the-art infrastructure, unique industry expertise, people, a team, the backbone that year after year, has guaranteed our success and allowed continuous growth on a global scale, from every point of view.

Putting forward our expertise, managing and transforming it into exclusive, high-performance instruments, catering to every specific need, is the challenge that has guided HT for more than 40 years and a means of addressing change, investing in the skills and trust of an increasingly demanding and evolved target market. A modus operandi ensuring the added value of a continuously evolving organization.

SAFETY FIRST

Electrical measuring instruments, prior still to fulfilling their purpose, must consider operator safety as a basic requirement in terms of protection against temporary overvoltages that may arise due to the presence of complex electrical loads, short-circuit situations, lightening strikes, etc. To this end, the international standard IEC 61010-1, harmonized in Europe as EN 61010-1, has set out specific requirements that must be satisfied by electrical equipment designed for LV measurements (<1000VAC), creating four “Overvoltage Categories” that define the level of protection against the voltage transients of each instrument, depending on its distance from the power source. Instruments belonging to the highest category require greater internal protection insofar as they can operate close to the source.

A short description is provided below:

	TYPE OF MEASUREMENT	APPLICATION
	Measurements on circuits not directly connected to the distribution network	Protected electronic equipment, measurements not derived from mains
	Measurements on circuits directly connected to the low-voltage installation	Household appliances, hand-held tools and the like
	Measurements on installations inside buildings	Distribution panels, cable harnesses, switches, fixed installation sockets, electric motors, industrial equip.
	Measurements on a source of a low-voltage installation	Electricity meters, measurements on primary overcurrent protection devices, ripple control units

TEST INSTRUMENTS

In the industrial field, with its diverse range of machinery and sometimes even continuous-cycle production processes, unscheduled downtime can be disastrous. This is precisely why maintenance technicians and industrial installations must be able to rely on high-performance diagnostic instruments allowing effective preventive maintenance and saving time otherwise spent repairing very costly damage: motor or switch failures, fires caused by overheated components and voltage surges that can cause RCDs to trip, damage to electronic components and interruptions to production.

METEL HR00064P HT63P | HT64P DIGITAL MULTIMETER



FEATURES

TRMS measurements up to 60,000 counts, 4-20 mA process signal control, graphical display of measured quantities, current measurements with supplied AC/DC current clamp.

METEL HR000005 IRONMETER INDESTRUCTIBLE MULTIMETER



FEATURES

TRMS, AC/DC voltage up to 600V, AC/DC current up to 10A, resistance/continuity test, frequency, capacitance, diode test, Duty Cycle, integrated LED light, Data HOLD, MAX/MIN, autorange, anti-fall.

METEL HP009021 HT9021 PROFESSIONAL CURRENT CLAMP



FEATURES

TRMS AC/DC current up to 1000A, TRMS AC/DC voltage up to 1000V, frequency, resistance and continuity, capacitance and diode test, temperature with K-probe, max. clampable diameter: 45mm, CAT IV 600V.

METEL HP009025 HT9025 PROFESSIONAL CURRENT CLAMP



FEATURES

AC/DC current up to 1000A, DC voltage up to 1500V, inrush current measurement, LoZ low-impedance voltage input, resistance and continuity, capacitance and diode test, temperature with K-probe, colour display, external transducer input for measurements up to 3000A.

MACROTESTG3 An instrument that encompasses all industrial plant tests, including insulation, continuity, earth measurement, RCD and fault loop impedance. Moreover, using the RCDX10 accessory allows split toroid RCD measurements up to 10 A.

METEL HV5036PR MACROTESTG3S MULTIFUNCTIONAL INSTRUMENT



FEATURES

Testing of continuity, insulation up to 1000 V DC, earth resistance, fault loop impedance / RCD type A, AC,B, F with test current up to 1 A or 10 A (MACROTESTG3) on split toroid circuit breakers, earth resistance with voltammetric technique (MACROTESTG3), cyclic phase direction, calibration certificate included.

INCLUDED RCDX10

Adapter for split toroid RCDs up to 10A, compatible with RCD type A, AC, B, F, general, selective, delayed

CIRCUIT ANALYSERS

PQA820 / VEGA74 Today more than ever, it is important to analyse consumption and possible electrical faults due to both the cost of energy and the damage potentially caused by voltage dips and spikes. HT ITALIA circuit analysers can perform and record these tests for several weeks, saving all parameters of the electrical circuit and generating a final report.

METEL HV000820 PQA820 SINGLE/THREE-PHASE SELF-POWERED CIRCUIT ANALYSERS



The image shows the METEL HV000820 PQA820 circuit analyser, a rugged grey device with a large screen displaying a circuit diagram. It has multiple input ports and a carrying handle.

METEL HV000820
PQA820
SINGLE/THREE-PHASE SELF-POWERED CIRCUIT ANALYSERS

HTAnalysis™ → TRMS AC+DC HT Cloud

APPLICATIONS
Single/three-phase circuit analysis with current up to 1000 A

FEATURES

IP65 enclosure case, mains powered, 4 voltage and 4 current inputs, voltage dip and spike recording, integrated Wi-Fi for data export via PC software, calibration certificate included.

METEL HV000740 VEGA74 SINGLE/THREE-PHASE CIRUCIT ANALYSER



The image shows the METEL HV000740 VEGA74 circuit analyser, a handheld orange and black device with a color screen displaying a waveform. It has a carrying handle and several buttons.

METEL HV000740
VEGA74
SINGLE/THREE-PHASE CIRUCIT ANALYSER

TOUCH SCREEN SYSTEM

APPLICATIONS
Analysis of three-phase circuits with currents up to 3000 A and real-time graphic and numerical display of measured quantities, measurements on impedance boxes and leakage current recording in the mA range with HT96U

FEATURES

Recording and acquisition of 600 electrical parameters, possibility to record leakage currents (with optional HT 96U clamp), 9 types of electrical systems available, integrated Wi-Fi for data export via PC software, calibration certificate included.

GSC60 The instrument par excellence for every maintenance and industrial plant technician, the GSC60 looks

after all plant tests and electrical circuit analysis, making it a versatile and must-have instrument for every professional.



FEATURES

All plant tests for low-voltage systems, recording and acquisition of 600 electrical parameters, possibility to record leakage currents (with optional HT 96U clamp), 9 types of electrical systems available, integrated Wi-Fi for data export via PC software and HT Analysis 2 APP.

INCLUDED RCDX10

Adapter for split toroid RCDs up to 10A, compatible with RCD type A, AC, B, F, general, selective, delayed.

THERMAL IMAGERS

THT80 / THT200 / THT300 Thermal imaging today is an essential tool for detecting anomalies and preventing faults in industrial plants, in particular on electrical parts (switches, cables, transformers) and mechanical parts (motors, bearings, busbars). Another advantage of this process is the non-invasive nature of thermal imaging, allowing contact-free (and, therefore, safe) measurements on components, in addition to the generation of reports, making it possible to keep track of the detected faults and problems.

HT ITALIA offers a vast range of thermal imaging solutions, including entry-level models for close distances such as the THT80, and models with state-of-the-art resolution for more advanced diagnostics. Given the very high temperatures of certain environments such as foundries and steel mills, HT ITALIA has designed two specific models able to detect temperatures up to 1200°C.

METEL HN000080 THT80

COMPACT TOUCH-SCREEN THERMAL IMAGER

METEL HN000080

THT80

COMPACT TOUCH-SCREEN
THERMAL IMAGER



120x90
PIXEL

TEMPERATURE RANGE
-20° ÷ 550° C

APPLICATIONS

Inspection and maintenance
on components at a distance
of maximum 1.5 m and
temperatures up to 550°

FEATURES

PictureinPicture function, AutoFusion function, thermal sensitivity: $<0.05^{\circ}\text{C}$ @ 30°C / 50mK. Compatible with HT Pro Camera app.

METEL HN000200THT200

HIGH-TECH, PROFESSIONAL TOUCH-SCREEN THERMAL IMAGERS

METEL HN000200

THT200

HIGH-TECH, PROFESSIONAL TOUCH-
SCREEN THERMAL IMAGERS



160x120
PIXEL

TEMPERATURE
RANGE
-20° ÷ 650° C

FIELD
OF VIEW
20.7°x15.6°

APPLICATIONS

Maintenance on mechanical
and electrical components
including switchgear, switches,
busbars, kiosks, motors and
electrical cables.

FEATURES

Picture in Picture function, AutoFusion function, thermal sensitivity: $<0.05^{\circ}\text{C}$ @ 30°C / 50mK

METEL HN000300 THT300

HIGH-TECH, PROFESSIONAL TOUCH-SCREEN THERMAL IMAGERS

METEL HN000300

THT300

HIGH-TECH, PROFESSIONAL TOUCH-
SCREEN THERMAL IMAGERS



384x288
PIXEL

TEMPERATURE
RANGE
-20° ÷ 650° C

FIELD
OF VIEW
41.5°x31.1°

APPLICATIONS

Maintenance on mechanical
and electrical components
including switchgear, switches,
busbars, kiosks, motors and
electrical cables.

FEATURES

Picture in Picture function, AutoFusion function, thermal sensitivity: $<0.05^{\circ}\text{C} @ 30^{\circ}\text{C} / 50\text{mK}$.

HT ITALIA S.R.L.

Via della Boaria, 40 48018 Faenza (RA) Italy

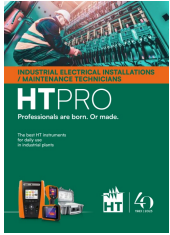
T +39 0546 621002

F +39 0546 621144

M: vendite@ht-instruments.com

ht-instruments.com

Documents / Resources



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HT63P Digital Multimeter, HT63P, Digital Multimeter, Multimeter

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