



COMMERCIAL & RESIDENTIAL ELECTRICAL INSTALLATIONS

HTPRO

Professionals are born. Or made.

The best HT instruments
for daily use in the
commercial and
residential sphere





40 YEARS MARKING OUT SUCCESSFUL LINES

Research & Development

An office, **the throbbing heart of HT Italia**, a touchstone for every **business strategy**, the starting point of every new creation, tasked with supporting ideas and **converting them into innovative, high-performance instruments**. A perpetual fire that fuels a **continuously evolving company**, a present-day that is invariably also the future.

Head office

3.800
square metres

The warehouse

15.000
cubic metres

Italian sales network

15 AGENCIES
65 REGIONAL SALES AGENTS
5 AREA MANAGERS

Calibrations and repairs

For over 25 years, HT ITALIA has designed and built all circuit Testing and Analysis equipment in-house, allowing it to provide highly skilled technical support.

Today, with a view to providing an increasingly efficient service in line with Client expectations and thanks to an agreement with TRESICAL, HT ITALIA hosts its own separate, climate-controlled laboratory for the issue of Calibration Reports in accordance with ISO 9001, as well as Accredited Certificates (ACCREDIA) in accordance with ISO/IEC 17025.

Distributors

186

Manned points of sale

1160

Catalogued measuring instruments

more than
680

Foreign sales network

70 DISTRIBUTORS

3 REGIONAL MANAGERS

2 EUROPEAN BRANCHES



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.

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 organisation.

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.

Certifications



Certified laboratory
LAT174
of TRESICAL MS
at the HT-Italia head office



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, lightning strikes, etc.

To this end, the international standard IEC 61010-1, harmonised 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



In residential installations, the CEI 64-8 standard requires certain checks in order to certify that the installation has been developed in a workmanlike manner. In addition to the usual voltage and current testers, HT ITALIA also offers simple, portable instruments for classic ground, RCD and insulation measurements.

JUPITER / M75L / EASYTEST HT ITALIA's Jupiter, a long-time leader in multifunctional system testing, is a revolutionary multimeter able to test 30 mA RCDs and perform earth tests, that is, carry out the essential checks required for all residential installations. The M75L model also includes insulation testing up to 500V, while **EASYTEST** can effectively carry out all the necessary 64-8 tests, including the possibility to save the results and generate a report via the supplied software.

STARTERKIT A single kit complete with a current clamp and digital tester for measuring the typical parameters in these types of electrical installations, specifically voltage, current and resistance.

HT20: portable voltage tester.

HT77C: RCDs suddenly tripping due to leakage currents is a common occurrence. This instrument is able to measure these very small currents and get to the root cause, which are often household appliances with insulation problems.

METEL HROOJUPI JUPITER

MULTIFUNCTIONAL INSTRUMENT



VOLTAGE
MAX
690 V → **TRMS**
AC+DC CAT IV
600V
Test
RCD Earth
Resistance

APPLICATIONS

RCD Testing
(up to 300mA) and Earth
Resistance Measurement.



FEATURES

MULTIMETER SECTION AC/DC and AC+DC voltage max 600V, low-impedance voltage input (LoZ), TRMS AC current up to 3000A with flexible clamp transducer F3000U (optional), resistance and continuity with buzzer, current frequency and voltage, MAX/MIN/PEAK/HOLD functions, 9999 counts, auto power-off and bargraph function.

ELECTRICAL TESTING SECTION global earth resistance without RCD tripping, measurement of tripping time on General RCDs type A, AC and F (30mA, 100mA, 300mA), tripping current on General RCDs type A, AC and F (30mA), Loop impedance L-L, L-N and calculation of presumed short-circuit current, current/voltage harmonics up to 25th and calculation of THD%, in-rush current (Dynamic INRUSH - DIRC), cyclic phase direction at 1 terminal.



METEL HV00075L

M75L

TEST INSTRUMENT



→ **TRMS**

AUTOMATIC TEST SEQUENCE
in 30 seconds

APPLICATIONS

CEI 64-8 safety testing with TRMS multimeter functions.



CERTIFICATO DI CALIBRAZIONE

FEATURES

AUTOMATIC sequence: global earth resistance, tripping time of RCDs type A 30mA, AC up to 300mA, tripping current of RCDs type A and AC 30mA (Ramp test), 250V or 500VDC insulation resistance measurement, continuity of protective conductors with 200mA, cyclic phase direction with 1 or 2 terminals, leakage current measurement with optional clamp HT96U*
Multimeter TRMS: AC/DC voltage, resistance and continuity, frequency.

METEL HV000100

EASYTEST

MULTIFUNCTIONAL TEST INSTRUMENT



AUTO TEST

AC, A, F
RCD

APPLICATIONS

For measurements on commercial, residential and industrial electrical systems.



CERTIFICATO DI CALIBRAZIONE

FEATURES

AUTOMATIC test (Ra, RCD, Insulation) in sequence, continuity of protective conductors with 200mA, Insulation resistance up to 1000V, polarity test, RCD testing type A, AC, F General and Selective up to 1A, line impedance and presumed short-circuit current measurement, testing of thermal-magnetic circuit breakers and fuses, Multimeter function to measure: Frequency, VL-N, VL-PE, VN-PE. Cyclic phase direction, voltage drop, internal memory and PC connection.



METEL HA002110 STARTERKIT

COMPACT DIGITAL MULTIMETER
AND POCKET CURRENT CLAMP

→ **TRMS** AC/DC
VOLTAGE MAX **600V**
CURRENT MAX **10A**
AC/DC CURRENT MAX **400A**
INRUSH CURRENTS

APPLICATIONS

For voltage, current, resistance measurements and standard testing on all types of electrical installations.



CERTIFICATO DI CALIBRAZIONE

FEATURES

HT 211 DIGITAL MULTIMETER

TRMS AC/DC Voltage up to 600V
TRMS AC/DC Current up to 10A
Resistance and continuity with buzzer
Capacitance, Diode and Frequency Test
Temperature with K-probe
Autorange.

HT 7005 CURRENT CLAMP

AC/DC Current up to 400A
Inrush current
Voltage detector with LED
Data Hold.



METEL **HR000296**

HT20

PHASE DETECTOR WITH
BUILT-IN TORCH

APPLICATIONS

Allows rapid AC voltage detection on all kinds of electrical installations with and without direct contact.

FEATURES

100/1000V AC voltage detection, 50/60Hz, visual LED indicators and buzzers, ideal for testing sockets and switchgear.



METEL **HP77C PRO**

HT77C PRO

AC CURRENT CLAMP

CAT IV 600V → TRMS AC CURRENT

APPLICATIONS

For measuring very low AC currents, mainly used in the detection and definition of leakage currents in residential and commercial electrical installations.

 **HT APP**
LEAKAGE

FEATURES

Currents from 0.1 mA to 20 A, diameter 23 mm, LINESPLITTER supplied



COMMERCIAL & RESIDENTIAL ELECTRICAL INSTALLATIONS

HTPRO



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**