



INDUSTRIAL ELECTRICAL INSTALLATIONS / MAINTENANCE TECHNICIANS

HTPRO

Professionals are born. Or made.

The best HT instruments
for daily use
in industrial plants





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 TRESKAL, 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

Foreign sales network

70 DISTRIBUTORS

3 REGIONAL MANAGERS

2 EUROPEAN BRANCHES

Catalogued measuring instruments

more than
680



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
 <p data-bbox="316 1406 660 1509">Measurements on circuits not directly connected to the distribution network</p>	Protected electronic equipment, measurements not derived from mains
 <p data-bbox="316 1597 699 1700">Measurements on circuits directly connected to the low-voltage installation</p>	Household appliances, hand-held tools and the like
 <p data-bbox="316 1776 595 1879">Measurements on installations inside buildings</p>	Distribution panels, cable harnesses, switches, fixed installation sockets, electric motors, industrial equip.
 <p data-bbox="316 1955 616 2058">Measurements on a source of a low-voltage installation</p>	Electricity meters, measurements on primary overcurrent protection devices, ripple control units



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

→ **TRMS** **6,000**
AC+DC COUNTS



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

APPLICATIONS

High-performance TRMS multimeters with graphical display of measured quantities and high precision



METEL **HR000005**

IRONMETER

INDESTRUCTIBLE
MULTIMETER

→ **TRMS** **CAT III**
AC/DC 600V



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.

APPLICATIONS

Indestructible tester for situations with a high risk of dropping and damaging the instrument





CURRENT CLAMPS

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METEL **HP009021**

HT9021

PROFESSIONAL CURRENT CLAMP

→ **TRMS**

AC/DC CURRENT
MAX
1000 A

APPLICATIONS

For high AC and DC current measurements and ideal for applications with distortions and harmonics, especially in the automation field

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

→ **TRMS**
AC+DC

DC VOLTAGE
MAX
1500V

COLOUR DISPLAY

APPLICATIONS

For high AC and DC current measurements and ideal for applications with distortions and harmonics, especially in the automation field



CERTIFICATO DI CALIBRAZIONE

VFD
FUNCTION

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



TOUCH SCREEN SYSTEM



WI-FI WITH PC AND APP



DATA SHARING IN



HTAnalysis™

HT Cloud

APPLICATIONS

Complete testing of electrical installations according to IEC 60364



CERTIFICATO DI CALIBRAZIONE

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.



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



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 CIRCUIT ANALYSER



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.



METEL HV000060

GSC60

MULTIFUNCTIONAL INSTRUMENT



APPLICATIONS

A single instrument for all IEC 60364 tests (continuity, insulation, RCD testing up to 10 A with split toroid, earth resistance with stakes) and single/three-phase circuit analysis up to 3000 A AC



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.

HT THERMAL IMAGERS

HTPRO - INDUSTRIAL ELECTRICAL INSTALLATIONS / MAINTENANCE TECHNICIANS



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



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°



CERTIFICATO DI
CALIBRAZIONE

FEATURES

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



METEL HN000200

THT200

HIGH-TECH, PROFESSIONAL TOUCH-SCREEN THERMAL IMAGERS

160x120 TEMPERATURE RANGE **FIELD OF VIEW**
PIXEL **-20°÷650°C** **20.7°x15.6°**

APPLICATIONS

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



CERTIFICATO DI CALIBRAZIONE

FEATURES

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



METEL HN000300

THT300

HIGH-TECH, PROFESSIONAL TOUCH-SCREEN THERMAL IMAGERS

384x288 TEMPERATURE RANGE **FIELD OF VIEW**
PIXEL **-20°÷650°C** **41.5°x31.1°**

APPLICATIONS

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



CERTIFICATO DI CALIBRAZIONE

FEATURES

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



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