



HEATING & PLUMBING

HTPRO

Professionals are born. Or made.

The best HT instruments
for daily use in the heating and
plumbing industry



1983 | 2023



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

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



Although the use of electrical measuring instrumentation is decidedly less frequent in this industry, HT ITALIA offers a broad range of products for measuring electrical quantities and performing pipe inspections, in addition to thermal imaging cameras, widely used in this field.

THT200 / THT300 / THT400 There are many situations in the heating and plumbing industry where thermal imaging proves crucial, for example:

detecting humidity, which can cause buildings to deteriorate over time, thermal bridges often responsible for energy wastage, leaks in heating systems and malfunctions in underfloor, ceiling or wall heating systems, leaks and blockages in plumbing or sewage systems



METEL **HN000200**

THT200

HIGH-TECH, PROFESSIONAL TOUCH-SCREEN THERMAL IMAGERS

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

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: <math><0.05^{\circ}\text{C}</math> @ 30°C / 50mK



METEL **HN000300**

THT300

HIGH-TECH, PROFESSIONAL TOUCH-SCREEN THERMAL IMAGERS

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

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: <math><0.05^{\circ}\text{C}</math> @ 30°C / 50mK



METEL **HNTHT400**

THT400

HIGH-RESOLUTION 640X480PXL
INFRARED THERMAL IMAGER

640x480 TEMPERATURE RANGE FIELD OF VIEW
PIXEL **-20°÷550°C** **31.9°x25.7°**

APPLICATIONS

Boasting the highest resolution in the entire range, making it ideal for use in electrical, mechanical, plumbing, ventilation and refrigeration systems.



CERTIFICATO DI CALIBRAZIONE

FEATURES

Picture in Picture function,
AutoFusion function,
thermal sensitivity:
<0.05°C @ 30°C / 50mK



HT 3010C / IRONMETER FGAS certification requires the instruments used to be supplied with a relative calibration report.

That's why HT ITALIA offers the 3010C current clamp already complete with the calibration report, and the IRONMETER multimeter, similarly supplied with a calibration report.



METEL **HP03010C**
HT3010C

CURRENT CLAMP

AC CURRENT
MAX
400 A → **TRMS**
AC

APPLICATIONS

Current measurements in installations and switchgear up to 400 A AC/DC.



CERTIFICATO DI CALIBRAZIONE

FEATURES

Resistance, continuity, Diode and Frequency testing, internal sensor for AC voltage detection even without contact, voltage detection LED.



METEL **HR000005**
IRONMETER

INDESTRUCTIBLE
MULTIMETER

→ **TRMS**
AC/DC **CAT III**
600V

APPLICATIONS

Situations with a high risk of damaging and/or dropping the instrument.



CERTIFICATO DI CALIBRAZIONE

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.



HT B500 Featuring an external probe with 4 LED lights and high-resolution camera, the HT BP500 is the ideal instrument for taking measurements inside hard-to-access parts, for example pipes or holes in walls.



METEL **HN000108**

HTB500P

BORESCOPE WITH INTERCHANGEABLE PROBE

APPLICATIONS

It allows the internal inspection of objects that are not physically accessible (typically rotating machines) and not visible to the naked eye.

FEATURES

Probe with built-in adjustable LED lighting, IP67 probe for liquid protection, USB-rechargeable battery, camera diameter 6mm, 1m long probe included.



INCLUDED HT36

Live cable, wooden beam and hidden metal parts detector



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