



BUILDING

HTPRO

Professionals are born. Or made.

The best HT instruments
for daily use
in the building industry





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.

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 organisation.

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



METEL **HNTHT300**

THT300

HIGH-TECH, PROFESSIONAL
TOUCH-SCREEN THERMAL IMAGERS

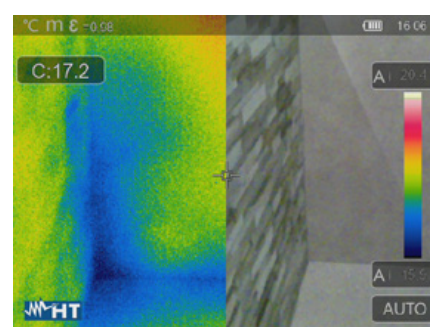
384x288 TEMPERATURE RANGE **-20°C ÷ 650°C** FIELD OF VIEW **41.5°x31.1°**
PIXEL

BUILDING PATHOLOGIES

Infiltrations and damp can cause serious damage to a building and are often invisible to the naked eye. Using the right THT thermal imager, it is possible to prevent and locate the most common building pathologies such as water infiltrations, rising damp and detached finishes without resorting to destructive testing.



Picture in Picture function
AutoFusion function



Thermogram of a water infiltration.



METEL **HNTHT400**

THT400

HIGH-RESOLUTION 640X480PXL
INFRARED THERMAL IMAGER

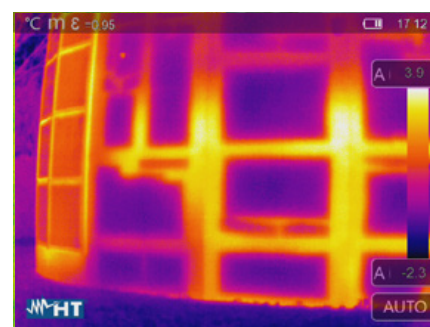
640x480 TEMPERATURE RANGE **-20°C ÷ 550°C** FIELD OF VIEW **31.9°x25.7°**
PIXEL

BUILDING INSPECTIONS

Quality control in production processes is crucial in ensuring good results. High-temperature production in particular requires constant monitoring of workpieces, for example, during welding, where micro-cracks are invisible to the human eye.



Picture in Picture function
AutoFusion function

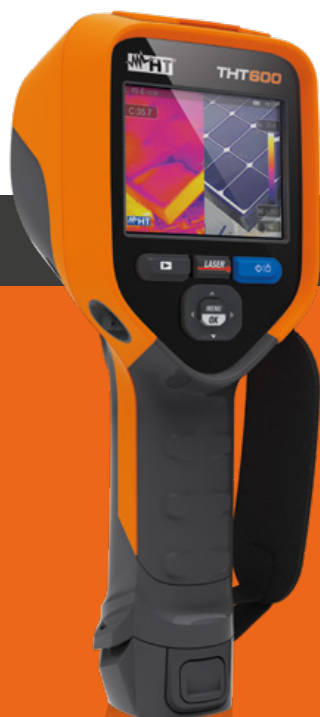


Thermogram of a copper pipe welding process.



THERMAL IMAGERS

HTPRO - BUILDING



METEL HNO06000

THT600

HIGH-TECH THERMAL IMAGER

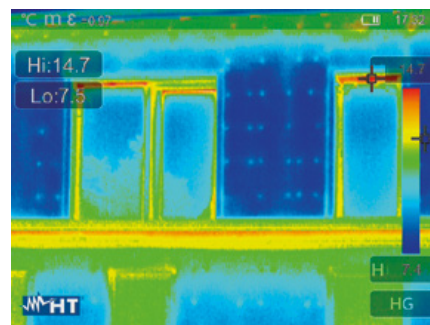
384x288 TEMPERATURE RANGE FIELD OF VIEW
PIXEL **-20°÷650°C** **17°x12.7°**

ENERGY DIAGNOSES

Aspects such as airtightness, thermal bridges and window and door fixtures (primary and secondary node) are crucial when constructing or renovating a building. Building dispersions can account for up to 70% of total energy consumption. The purpose-designed THT thermal imager allows detection of even the smallest dispersions thanks to its high thermal sensitivity of 0.05°C.



Picture in Picture function
AutoFusion function



Thermogram of a water infiltration.



MEASUREMENT OF ENVIRONMENTAL PARAMETERS

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METEL HNO00107

HTA107

MATERIAL, DEPTH AND AIRBORNE TEMPERATURE AND HUMIDITY SENSOR

BUILDING PATHOLOGIES

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FEATURES

- Material humidity with penetration probe
- Infrared temperature sensing and differential calculation
- Backlit display



BORESCOPIES AND ACCESSORIES

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METEL **HN000108**

HTB500P

BORESCOPE WITH
INTERCHANGEABLE PROBE

INCLUDED

HT36

METEL **HN000300**

CONCEALED OBJECT
DETECTION

- Detection of concealed AC cables to a maximum depth of 50mm
- Location of wooden beams and metal objects measuring minimum 30mm x 30mm
- Detection of hidden metal parts



FEATURES

- Digital zoom for greater detail
- Probe with built-in adjustable LED lighting
- IP67 probe for liquid protection
- USB-rechargeable battery
- Camera diameter 6mm
- 1 m long probe included



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