

Specifications



Temperature Range:	450 – 1800°C (842 - 3272 °F)
Operating Temperature:	Up to 2.200°C (3,992°F)
Frame Rate:	80 Hz
Spectral Range:	0,92 – 1,1 μm
Resolution:	764 * 468 Pixels
View Angle:	86° (Diagonal)
Data Output:	Ethernet or Fiber Optic
Housing Length:	350, 700 or 1200mm (13,8", 27,6" Or 47,2")
Housing Diameter:	89mm or 101,6 Mm (3,5" Or 4")
Sealing:	Ip66
Power Supply:	24 Vdc
Made By:	Stainless Steel AISI316L
Standard Accessories:	Control Cabinet, Cables, Software
Others:	Power Supply, Water/Air Cooling System, Air Purge System



ProTIR

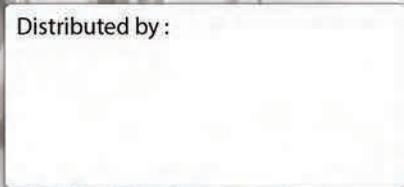
Thermal Imaging Probe



Applications

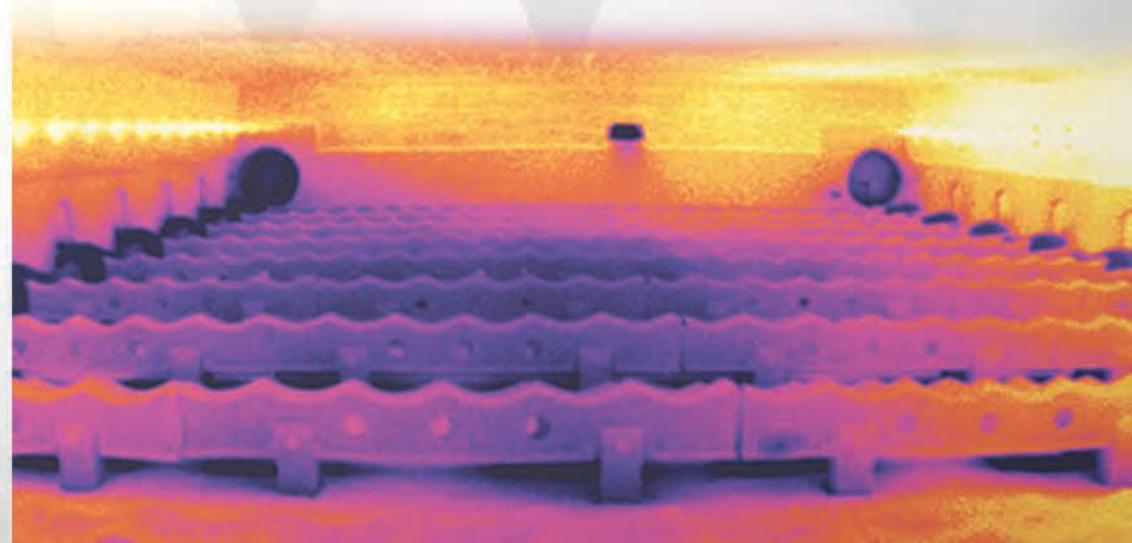
- Rotary Kilns
- Vertical Kilns
- Sintering Furnaces
- Reheating Furnaces
- Reformer Furnaces
- Coolers
- Glass Melt Tanks

Distributed by:



C/ Frederick Terman n° 3, M.3, 29590 Málaga (Spain)

www.visiontir.com - ☎ +34 951 769 884 - info@visiontir.com



ProTIR SYSTEM

Thermal Imaging Probe to inspect inside furnaces, kilns ,tanks & Coolers

Based on high resolution thermal-cameras (764x468 pixels) and a specific software, ProTIR provides real thermographic imaging in high definition and temperature data from inside furnaces, kilns and coolers to the control room.

Thanks to its 86° viewing angle optic, ProTIR allows for an accurate temperature measurement of the entire furnace with just a small opening in the Wall.

Protected by a rugged protective housing, ProTIR system resists up to 2.200 °C (3.992 °F).

In addition, the thermal imaging probe incorporates an air purge system, a water/air cooling system and an internal temperature control.

ProTIR offers real time thermal-imaging, measuring the temperature of each point.

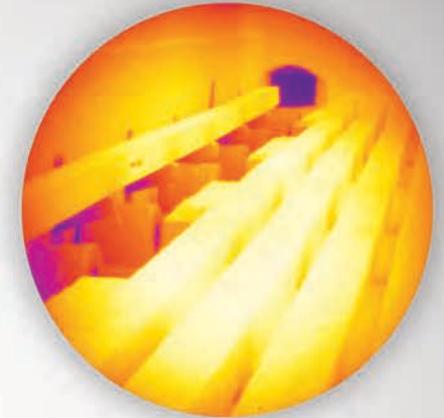
Features

1) RANGE OF HOUSING DIMENSIONS AND MOUNTING OPTIONS

There are different lengths and diameters available to provide the best solution for every installation.



Wall fixing mechanism



2) FULL FEATURE SOFTWARE

It provides access to all temperature points, different areas configuration, temperature trends and notification of alarms for removing the instrument.

3) REAL TIME INSPECTION at the highest resolution. 86° angle (diagonal) for maximum inspection details. 764*468 pixel resolution, giving 357,000 data points.



ProTIR Retractable System

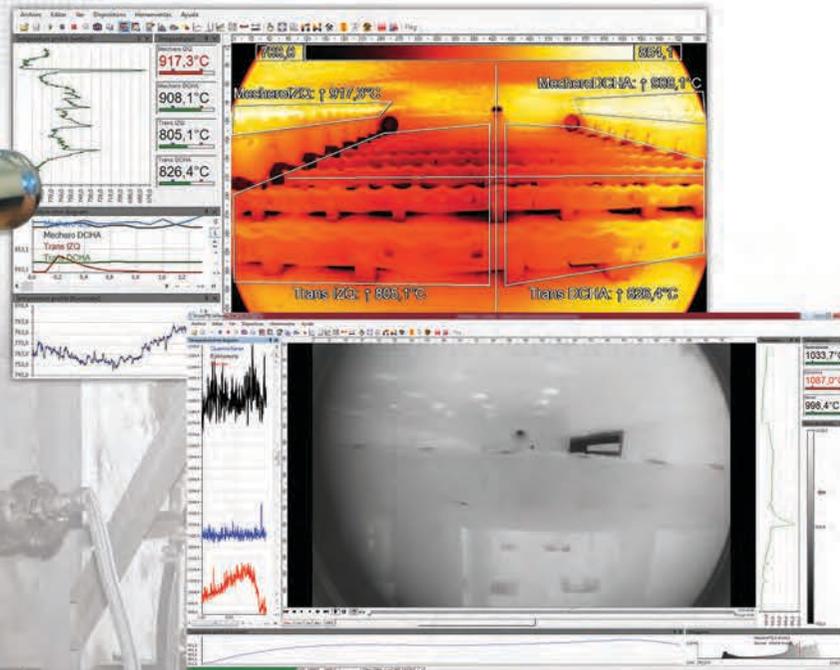
4) RUGGED: High temperature resistance and long term reliability thanks to its high performance water and air cooling system. The air purge system maintains the lens clean for an accurate measurement.

5) DIFFERENT PROTECTION MECHANISMS AVAILABLE (Retractable, wall fixing, etc.) for trouble-free long term use.

6) DIFFERENT ANGLE OF VIEW INCLINATION: Axial & angular (30°, 45°, 60°, 90°)

Benefits

- High quality images (visible and IR images) & wide view angle
- Real thermographic imaging
- Flame shape monitoring
- Easy installation & use
- Rugged: High temperature resistance
- Long term reliability
- Minimal maintenance
- 2 years warranty
- Pre-wired and pre-tested for an easy installation and use.
- Training and commissioning support by highly qualified and experienced team



ConnectTIR software

