

Technical Information

IS08

Performance Colors & Glass

ZTH/ZTL PTCR (560-660°C)

Product description

ZTH/ZTL, the most recent member of process temperature control rings (PTCRs) developed by Ferro, is the only product in the market which can measure precisely temperatures below 660°C. This user-friendly, low-cost tool allows customers to have better control on their thermal processes to achieve desired properties and also can assist them to increase production yield.

ZTH/ZTL is applicable for batch- and continuous kilns with different atmospheres including air, oxygen, nitrogen, hydrogen, argon, and vacuum. In case of non-oxidizing atmospheres, the rings must be fired prior usage at 520 °C. For consumers comfort Ferro offers ZTH/ZTL in Green- and pre-fired formats.

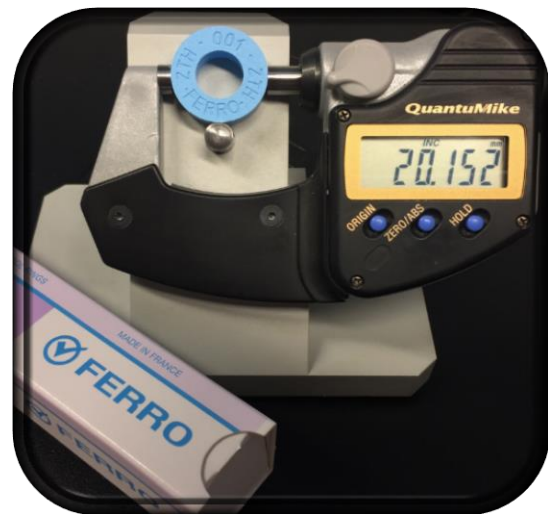
ZTH/ZTL like other PTCR references consists of environmentally friendly components and has no negative effect on atmosphere of furnace.

Applications

- Electronic industries like ULTCs, semiconductors, ...
- Glass and ceramic industries like special sealing glass, annealing furnaces, decoration of glass & porcelain ...

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Specifications

ZTH/ZTL measures exactly the peak temperature of fast- and slow firing thermal processes over temperature range of 560-660°C with a wide range of soaking times; from 5 min up to 120 min.

As usual for the PTCRs, ZTH/ZTL is available in two different thicknesses; 3.5 and 7 mm.

Temperature table provided for each ZTH/ZTL batch is specific and it is valid for 1 h soaking time at peak temperature.

Ferro provides own customers an accurate temperature curve for correcting the temperature table for other soaking times.