

PTCR - PROCESS TEMPERATURE CONTROL RINGS - COMPREHENSIVE DATA SHEET

The key to high quality products through improved, reliable firing control

The PTCR - Process Temperature Control Ring is a ceramic product that registers the actual heat treatment in kilns through contraction of its diameter. The PTCR takes account of both radiation and transfer heat as well as of the effects of temperature over time. It indicates the accumulated total heat treatment in a practical, single number: Ring Temperature (RT)

PTCR ZTH
A PRODUCT INFORMATION

Complete type nomenclature	PTCR ZTH 560–660°C (1040–1220°F)
Product identification	ZTH – code and batch number impressed on each ring
Ring colour as supplied	Colorless
Temperature tables	Batch-specific tables are included in each SPQ*-box
	* SPQ = Standard Packing Quantity

B APPLICATION INFORMATION

Applicable Temperature Range (ATR)	560–660°C (1040–1220°F)
Recommended Temperature Range (RTR)	560–660°C (1040–1220°F)
Applicable in atmospheres including	Air, oxygen, nitrogen, hydrogen, argon, vacuum
Applicable in kilns including	Batch and continuous kilns

C AVAILABLE VERSIONS

PTCR ZTH	Dimensions: diameter ~20 mm, height 7 mm
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D QUALITY INFORMATION

Applicable quality standards	ISO 9001
Accuracy guarantee (68%)	RTR ± 3 °RT
Batch identification	Batch number is impressed on each ring

E ENVIRONMENTAL INFORMATION

Main chemical ingredients	Silicates and various dopes (not for internal use).
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F PACKING INFORMATION

PTCR ZTH Standard Packing Quantity	1 box of 600 PTCR: 40 sleeves with 15 PTCR each
PTCR ZTH Minimum Order Quantity	1 box of 600 PTCR: 1 SPQ-box with 600 PTCR

G COMPLETE RANGE OF PTCR RINGS AND PTCR MICROMETERS

PTCR ZTH	560–660°C (1040–1220°F)	PTCR Micrometer-D with digital read-out
PTCR UTH	660–900°C (1220–1652°F)	
PTCR ATH	600–850°C (1112–1562°F)	
PTCR ETH, ETL	850–1100°C (1562–2012°F)	
PTCR LTH, LTL	970–1250°C (1778–2282°F)	
PTCR STH, STL	1130–1400°C (2066–2552°F)	
PTCR MTH, MTL	1340–1520°C (2444–2768°F)	
PTCR HTH, HTL	1450–1750°C (2642–3182°F)	

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