



# Temperature Measure Ring (TMR)

## Introduction and Advantages

TMR is the dependable, convenient and accurate temperature measuring tool. It is widely used for data acquisition, monitor and control on the sintered temperature during the production of tile, tableware, sanitaryware, refractories and other structural ceramics. TMR can precisely measure the temperature of the fired items or any position in the kiln in any atmosphere, and overcome the defect of the thermal couple, which can not measure the temperature of the fired product body and the conductive heat.

## Operating Principle and Usage

Within the working temperature range, the TMR appear linear shrinkage after absorbed the heat. The change in the TMR diameter precisely represents the exact temperature where the TMR is placed on. Use the vernier caliper measure the diameter of the TMR after calefaction, then the user can get the corresponding value of the temperature from the Temperature Comparison Table provided by us. Each batch of TMR has its exclusive Temperature Comparison Table, please refer to the Table according to the Batch No. of TMR.

## Product Parameters and Application

Model	Range	Application		
AQS	700~1100℃	Tableware, Art Ceramics, Tile, Pottery, Battery Material, Glaze and Color		
BQS	900~1200℃	Refractories, Kiln Furniture, Tableware, Tiles, Glaze, Color, Rare Earth firing		
CQS	1100~1400℃	Ceramic Capacitance, Ferrite, Insulator, Metallurgy, Sanitaryware, Tableware, Tiles, diamond wheel, Refractories and kiln furniture		
DQS	1300~1600℃	Art porcelain, Sanitaryware, Tableware, Tiles, Refractories and kiln bricks, Tiles and bricks, Structural Ceramics, Advanced ceramics, Engineering ceramics, etc.		
EQS	1450~1750℃	Structural Ceramics, Advanced ceramics, Engineering ceramics, Refractories, etc.		
Size	OD20mm x ID10mm x T 6mm	Package	10pcs/box, 50 boxes/case, 16 cases/ carton	
Measuring Accuracy	1℃	Max. Tolerance	3℃	



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