

VITA ZYRCOMAT® 6000/6100 MS

1. Commissioning

2. Measuring

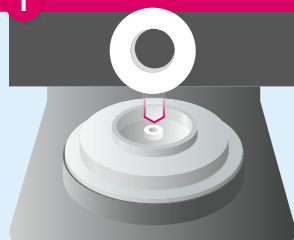
3. Evaluation

4. Measures

Temperature calibration

1. Commissioning

1 Positioning of sintering ring



Place the sintering ring without sintering beads in the center of the sintering tray.*

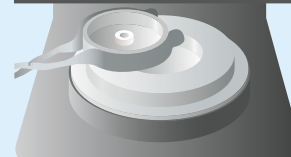
2

Start firing



Start sintering program "YZ T Universal" via the "VITA" profile.**

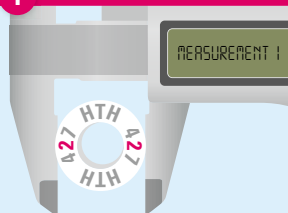
3 Removal of sintering ring



Remove sintering ring and measure with caliper.

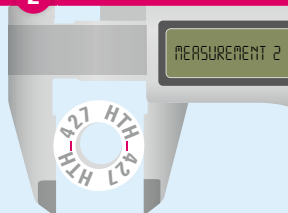
2. Measuring

1 Measurement procedure 1



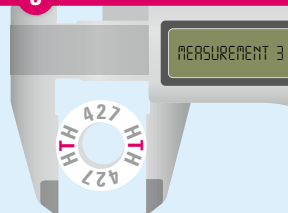
Measure the diameter of the sintering ring at the middle number (example of the sintering ring).

2 Measurement procedure 2



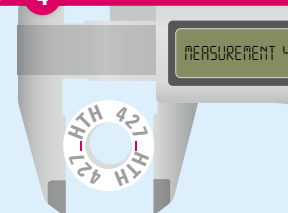
Turn the sintering ring by 45° and measure between number and letter.

3 Measurement procedure 3



Turn the sintering ring another 45° and measure at the middle letters.

4 Measurement procedure 4



Turn sintering ring another 45° and measure between number and letter.

*) There must not be any other objects in the firing chamber. The firing chamber must be completely cooled down for sintering.

**) Find accurate information on the sintering program in the corresponding instructions for use of the VITA vPads.

Please use for evaluation!

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3. Evaluation

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Temperature calibration

3. Evaluation

1 Calculate the mean value

Measurement 1
+ Measurement 2
+ Measurement 3
+ Measurement 4
= Total
÷ 4

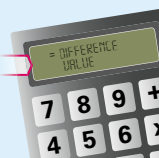


Add the measured values and divide the sum by four to obtain the average.

2 Read off temperature

VITA ZYRCOMAT® 6000/6100 MS	
Temperature Checking-Set	
°C	°C/°F
Mean value 1	Ring temperature 1
Mean value 2	Ring temperature 2
Mean value 3	Ring temperature 3
Mean value 4	Ring temperature 4
Mean value 5	Ring temperature 5
Mean value 6	Ring temperature 6
Mean value 7	Ring temperature 7
Mean value 8	Ring temperature 8
Mean value 9	Ring temperature 9
Mean value 10	Ring temperature 10

Ring temperature
- 1625 °C/2957 °F

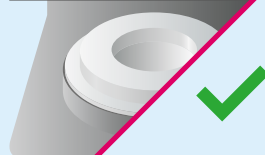


Read off corresponding ring temperature from the table attached (example of the conversion table).

Subtract the value 1625 °C/2957 °F (master ring) from the ring temperature that has been read and obtain the difference value.

4. Measures

Difference value 0 °C to +/-25 °C
32 °F to 77 °F / 32 °F to -13 °F



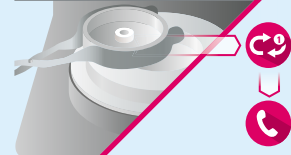
Temperature difference inside the tolerance range.

Difference value +/-25 °C to +/-50 °C
77 °F to 122 °F / -13 °F to -58 °F



Correct the oven temperature. Insert the difference value in the "temperature adjustment (offset)" field.*

Difference value > +/-50 °C
> 122 °F / > -58 °F



Temperature difference outside of the adjustable range. Repeat test firing. Contact dealer.

*) **Temperature too low** (calculated difference value has minus sign); Insert difference value with minus sign; **Temperature too high** (calculated difference value has plus sign);

Insert difference value without sign (automatically positive). Find accurate information on the temperature adjustment field (offset) in the corresponding instructions for use of the VITA vPads.