



# TABEO-1/M/ZIRKON-100



  
MADE IN GERMANY



# TABEO-1/M/ZIRKON-100

MoSi<sub>2</sub>

CLASSIC

▼ **High purity molybdenum-disilicide heating elements**

▼ **Maximum temperature 1650°C**

▼ **Service programs**

A - Temperature control\*

C - Purge heating chamber

E - Regenerate heating elements

▼ **Program control**

7-segment LED

4 stages

9 program capacity

Special functions

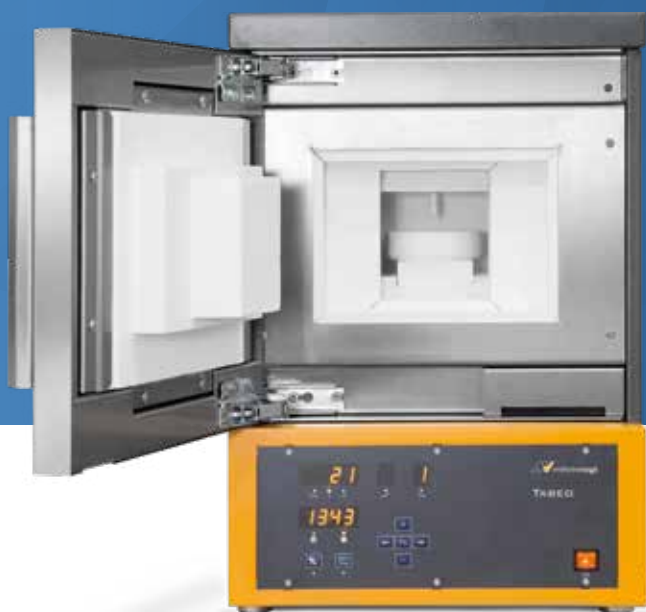
▼ **Thermocouple PtRh-Pt, type S**

▼ **Maximum heating rate 25°C/min**

▼ **Temperature accuracy at 1500°C +/- 3 °C**

▼ **Timer function**

\* only in conjunction with test-kit



RS-232 Interface allows you to record real time program data for analysis or compliance



## Technical data TABEO-1/M/ZIRKON-100

Heating-chamber capacity 1 tray Ø 100x30 mm

Power max. 1500 W

Voltage range; frequency 220 – 240 V; 50/60 Hz

Weight 55 kg





Dimensions W/D/H 400/400/600 mm

# Technical data



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Details    ✓ standard    ✗ not compatible

Technical information		
Heating-chamber height	mm	42
Max. heating-chamber capacity	number of trays	 1 x 100/30 mm
<b>Heating system</b>		
Process capability		
Max. temperature		
Heating elements	type	
	number	4
<b>Process times CLASSIC [1*]</b>		
Max. programmable heating rate	°C/min	25
Shortest heating period to 1.500°C at 230V	min	61
Shortest cooling period to 300°C	min	148
Process duration (incl. holding time 30 min)	min(h)	239(4)
<b>Process times SPEED [1*]</b>		
Max. programmable heating rate	°C/min	✗
Shortest heating period to 1.500°C at 230V	min	✗
Shortest cooling period to 750°C	min	✗
Process duration (incl. holding time 30 min)	min(h)	✗
<b>Programm control</b>		
7-segment LED		✓
4-lines LCD		✗
Number of programmable stages		4
Program capacity		9
	Number of fixed programs	✗
	Number of customizable programs	9
<b>Special programs</b>		
Drying		✗
Heating-up ventilated		✗
<b>Service programs</b>		
A-Temperature control [2*]		✓
C-Purge heating chamber		✓
E-Regenerate heating elements		✓
<b>Thermocouple</b>		
PtRh-Pt, type S		✓
Special functions		
Emergency cooling system		✗
RS 232 interface		✓
Door lift		✗
Shielding-gas supply		✗
Timer function		✓
Technical data		
Power max.	W	1500
Voltage range; frequency	V; Hz	220-240; 50/60
Weight	kg	55
Dimensions W/D/H	mm	400/400/600

[1\*] Process values: Sintering temperature = 1500°C; holding time = 30min; 1 x sintering tray [2\*] only in conjunction with test-kit

# Scope of delivery

- ✓ standard
- optionally available
- ⌚ optionally available, but with reservations
- ✗ not compatible



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Sintering tools		
8201000001	Sintered corundum AL, 4-6; 200g	●
8201000002	Sintering beads YTZ, 2.0; 200g	✓
8201000003	Sintering beads YTZ, 1.25; 280g	●
8201000004	Sintering granulate YTZ; 200g	●
8201000005	Sintering tray, 100/30	✓
8201000006	Sintering tray, 100/35; ventilated	●
8201000007	Sintering tray lid, 100/4	✓
8201000012	Sintering tray SPEED, 100/30; slotted	●
8201000013	Sintering tray SPEED, 100/30 (kit)	●
8201000016	Sintering base plate SPEED, 100/15	●
8201000017	Sintering base plate SPEED, top ring 100/15	●
8201000020	Sintering disc, 100/12	●

Accessories		
8202000003	Removal fork T-1	✓
8202000005	Diamond whetstone; for sintering discs	●
8202000008	Power cord EU, C19; 16A	✓
8202000009	Power cord USA, C19; 16A	●
8202000010	Power cord GB, C19; 13A	●

**CONSISTENT.  
RELIABLE.  
PRECISE.**



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