

## THERMAL TESTING SYSTEM FOR THERMOBIMETAL SNAP-ACTION DISCS

感温双金属碟片的工作温度抽检测试仪

# CLICKTEST 10



## THERMAL TESTING SYSTEM FOR THERMOBIMETAL SNAP-ACTION DISCS CLICKTEST 10

Computer-controlled measuring system to sample test upper (TOS) and lower (TUS) SNAP TEMPERATURES of BIMETAL SNAP-ACTION DISCS.

<b>Size of Snap Action Disc</b>	7 mm dia up to 20 mm ( Version CT10/20 ) 13 mm dia up to 30 mm ( Version CT10/30 )
<b>Wide temperatur range</b>	-60 °C...300 °C
<b>Measuring head</b>	spring loaded sensing pins, force 3 grms
<b>Accuracy</b>	+/- 0,2 ...0,6 °C depending on the temperature range Pt 100 measuring system
<b>Quick</b>	heating and cooling speed up to 40 K / min.
<b>Intelligent</b>	statistical analysis of results, test certificate printout, data storage
<b>Batch size</b>	16 discs
<b>Easy and quick to use</b>	menu-guided operation
<b>Dry system</b>	discs remain dry at all times, no contact with any liquids.
<b>Heating system</b>	electric
<b>Cooling system</b>	compressed air / liquid CO <sub>2</sub>
<b>Power consumption</b>	240 V single-phase,, 50/60Hz. appr.0.8 kVA other voltages also available compressed air: 6.5 bar min.
<b>Scope of delivery</b>	complete measuring system incl. PC, screen, printer, gas bottle valves. Delivery does not include gasbottles for CO <sub>2</sub> .
<b>Reliable</b>	The system requires no pump, no stirrer, no compressor, no exhaustor no oil, glycol or similar liquids.

## 感温双金属碟片的工作温度抽检测试仪 CLICKTEST 10

这是一台由电脑控制的，专门用来抽样检查测量双金属感温碟片的突跳温度(TOS)和回复温度(TUS)的设备。

检测碟片的规格	7 毫米至20 毫米( 型号为CT10/20 ) 直径从13毫米至 30毫米( 型号为CT10/20 )
温度测量范围	-60 °C至300 °C
测量头	弹簧控制的传感器，力度为3 克
精度	+/- 0.2 ... 0.6 °C视温度覆盖范围而定 Pt 100 测量体系
快捷	加热和冷却速度可以达到每分钟40 凯尔文度
智能	对结果进行统计分析，测试证书进行打印，数据储存
一次测量片数	16片碟片
操作方便快捷	菜单式操作
干式系统	碟片在测试的全过程中保持干燥，不与任何液体接触
加热系统	电热
冷却系统	压力空气和液态二氧化碳
能源需求	240 伏单相交流电，50/60赫兹，大约0.8 千伏安 根据需求配置其它电压 压力空气：至少6.5 巴
供货范围	全套测试系统，包括微机、屏幕、打印机、液化气阀门。 供货范围内不包括液态二氧化碳。
可靠	测试系统不需要 泵和搅拌器， 空压机， 除尘机， 油、乙二醇或其它液体。

## RESULT – REPORT:

### 测试结果报告:

CLICKTEST 10      Productionorder : 1935      Operationstep: 6989  
 TEST CERTIFICATE      Operationcategory : AftOven      Batch: 6980.0002  
 SNAP-ACTION-DISCS      Description of Op.-step: After Oven

Article : 11599      Matchcode: 30.0,3.89.68.KEIN.KA94S  
 Description1: Biometallschnappscheibe 30x0,3  
 Description2: Kanthal 94S  
 Description3: TOS= 89 +2/-2°C  
 Description4: TUS= 68 +3/-3°C

<b>TESTPARAMETER</b>		TOS	TUS	Vtest: 5.0°C/min
max	°C	91.00	71.00	Measuring method: Mechanical
nom	°C	89.00	68.00	Evaluation: Act. parameters
min	°C	87.00	65.00	

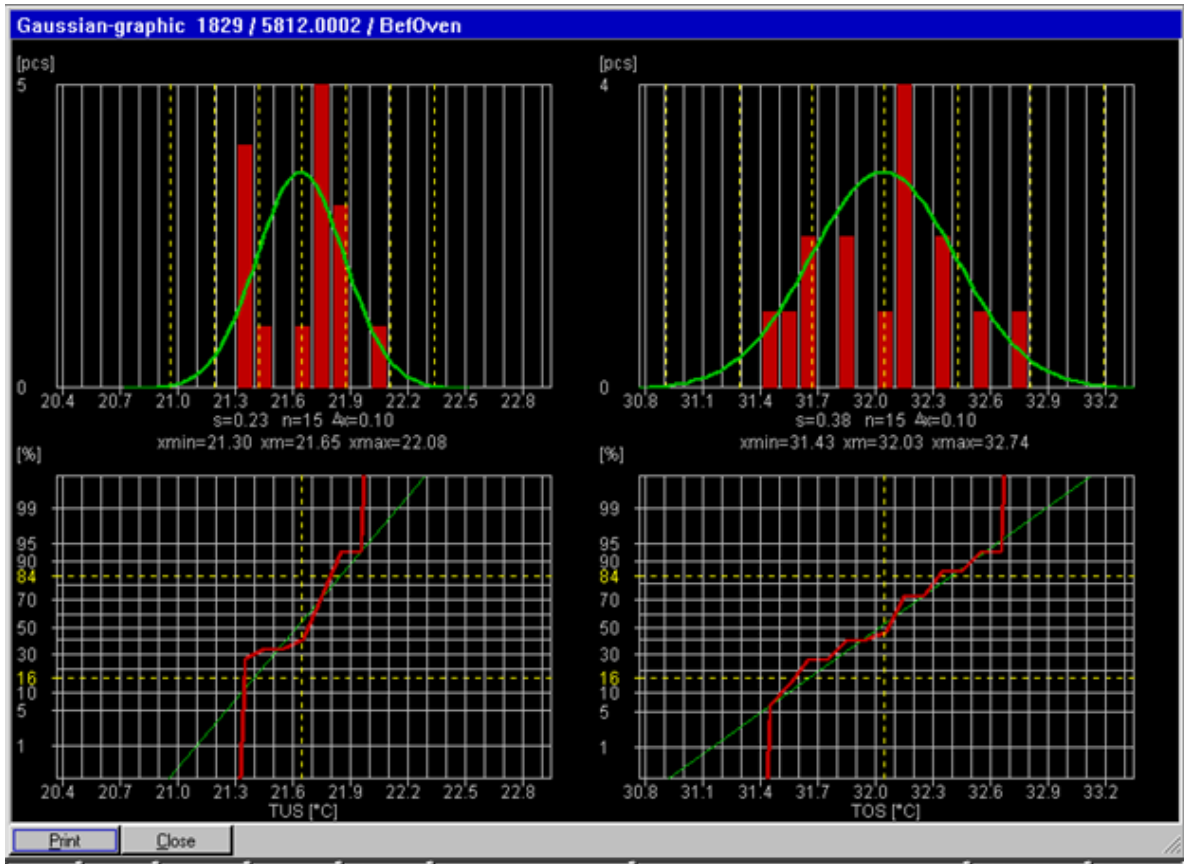
<b>STATISTICS</b>		TOS	TUS	dT
No. of results		80 100.0%	80 100.0%	
Too high		0 0.0%	0 %	
Acceptable		80 100.0%	80 %	
Too low		0 0.0%	0 %	
Average	°C	88.87	67.91	20.96
Std. deviation	°C	0.67	0.57	
Max. value	°C	90.87	69.20	
Min. value	°C	87.49	66.50	
Max. - Min.	°C	3.38	2.70	

<b>TOTAL STATISTICS</b>	Total	Acceptable	Unacceptable
No. of results	80	80	0
%	100.0	100.0	0.0

1... 8	TOS: 89.30	88.91	90.05	89.16	89.13	88.74	88.68	88.56
060516-1347	TUS: 68.23	67.88	68.55	67.74	68.11	67.64	67.49	67.23
9... 16	TOS: 88.51	88.74	87.98	89.24	89.02	87.93	87.79	89.05
060516-1347	TUS: 66.95	68.23	67.29	68.02	68.30	67.47	v 66.50	68.39
17... 24	TOS: 89.91	89.79	89.91	89.52	89.99	90.62	90.87^	89.79
060516-1401	TUS: 68.51	68.83	68.73	68.46	68.94	68.98	69.13	68.52
25... 32	TOS: 89.72	89.69	88.18	88.60	89.03	88.78	88.44	89.57
060516-1401	TUS: 68.67	68.52	67.48	67.10	67.32	67.27	67.30	68.64
33... 40	TOS: 88.72	89.14	88.10	87.49v	88.46	88.89	88.44	88.06
060516-1407	TUS: 68.16	68.38	67.51	67.28	67.93	67.88	67.90	67.78
41... 48	TOS: 88.76	88.41	88.28	87.80	88.66	88.21	87.67	88.79
060516-1407	TUS: 68.35	67.93	67.53	67.36	67.41	66.87	67.32	67.57
49... 56	TOS: 89.10	88.64	88.83	89.29	89.02	88.77	88.39	88.46
060516-1413	TUS: 68.75	67.86	68.05	68.20	68.04	67.92	67.88	67.52
57... 64	TOS: 88.88	89.84	88.99	88.93	89.41	88.39	88.95	88.05
060516-1413	TUS: 67.94	67.92	67.66	67.58	68.45	67.48	67.69	67.33
65... 72	TOS: 89.52	87.99	88.22	87.77	88.38	88.53	88.51	88.81
060516-1419	TUS: 69.20	66.98	67.67	67.29	68.12	67.24	67.59	67.71
73... 80	TOS: 89.02	90.02	89.51	89.29	88.92	88.66	88.92	88.80
060516-1419	TUS: 68.14	68.57	67.60	68.37	68.58	68.36	67.95	67.82

† Unacceptable values    ^ Max. value    v Min. value    c Creeping    \* Multiple

## GAUSS STATISTICS ( Option ): 测试结果报告



## STABILITY PROTOCOL ( Option ) 稳定性记录 (需选择购买)

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CLICKTEST 10      Productionorder : 1014524   Operationstep: 0
TEST CERTIFICATE  Operationcategory : Multiple  Batch: 0.0000
SNAP-ACTION-DISCS Description of Op.-step: Multiple tests

Article : 99004      Matchcode: 25.4.0.23.39.95.20.15.KEIN.TEX B1
Description1: Binmetallschnappscheibe 25.4x0.23 mm
Description2: KEIN.TEX B1
Description3: TOS=39.95 +/-2.25°C
Description4: TUS=20.15 +/-1.85°C
    
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Stability prot. TOS [°C] (Last test 060313-1650)

#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	*
1:	41.25	40.37	40.18	40.42	41.04	40.54	40.74	40.84	40.38	40.42	40.99	40.69	41.19	40.47	40.67	40.42	40.66
2:	-0.02	-0.01	0.01	-0.02	-0.06	-0.02	0.02	-0.12	0.00	0.01	-0.02	-0.04	-0.06	-0.02	-0.01	0.06	-0.04
3:	41.23	40.36	40.19	40.40	40.98	40.52	40.76	40.72	40.38	40.43	40.67	40.63	41.13	40.45	40.66	40.45	40.65
4:	-0.01	0.01	0.00	0.00	0.01	-0.01	0.00	0.01	0.02	0.01	0.02	0.02	0.00	0.01	0.02	0.01	0.00
5:	41.22	40.37	40.19	40.40	40.99	40.51	40.76	40.73	40.80	40.44	40.99	40.67	41.13	40.46	40.68	40.49	40.65

Stability prot. TUS [°C] (Last test 060313-1650)

#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	*
1:	21.00	20.24	19.20	20.80	21.04	21.06	21.32	20.67	20.67	20.67	21.62	21.02	19.73	19.95	20.03	20.52	20.60
2:	-0.04	-0.04	-0.13	0.04	0.03	0.20	0.02	0.00	-0.03	0.02	-0.01	0.05	-0.01	-0.03	0.11	-0.03	-0.01
3:	20.96	20.20	19.15	20.84	21.12	21.26	21.35	20.67	20.64	20.69	21.61	21.07	19.72	19.92	20.14	20.54	20.61
4:	-0.04	0.02	0.16	0.02	-0.03	-0.09	-0.01	-0.28	0.01	0.00	0.03	-0.01	-0.01	0.00	-0.14	0.01	-0.02
5:	20.92	20.22	19.31	20.86	21.09	21.17	21.34	20.39	20.65	20.69	21.64	21.06	19.71	19.92	20.00	20.53	20.59

- Mean of 16 results per cycle
- Difference between mean values
- Difference between measured values

**DIMENSIONS:**

尺寸:

