

The new bentrup compact series. Perfection from the market leader.

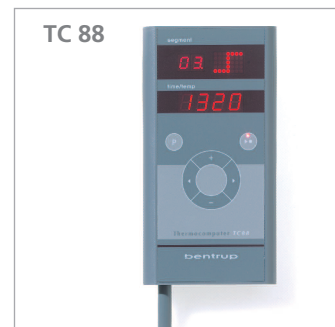


## Compact Perfection

When you first encounter the new **bentrup compact** series you will realise what has been missing on controllers until now. The new bentrup compact series sits comfortably in your hand and will captivate you by its perfection and attention to detail. Bright red, high contrast display, extremely slim design, ergonomically shaped case, simple panel layout and superior technology inside. Easy one hand operation. After programming "click" the controller back into its newly designed stainless steel wall mounting bracket - as perfect as the controller itself. Mains switch concealed in case design, operator accessible fuse, auto-tune control characteristic, event-log memory, configurable thermocouple, world wide compatible mains supply and Fahrenheit/Celsius option, precision, innovation and operational safety for which bentrup products are renowned.



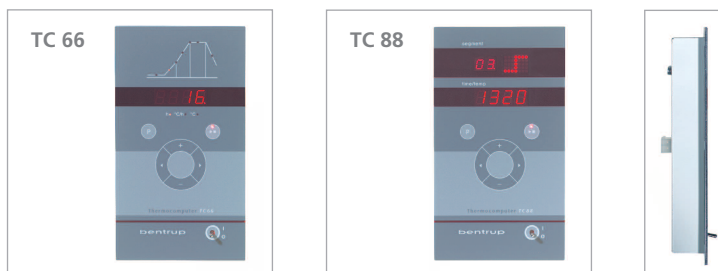
- TC44** – Easiest Operation for Classic Ceramics
- TC66** – Flexible programme controller for all Ceramic Applications
- TC88** – Innovative all-purpose controller for Glass and Ceramics



**bentrup**

### Panel Mounting Type

TC66 and TC88 are also available for panel mounting. Preferred on kilns with integrated controller. Dimensions 74x147x30mm, front 90x160mm. Electrical link via multipole plug. Identical features compared to standard versions



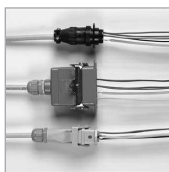
	TC 44	TC 66	TC 88
<b>description</b>	highly operational simplified programme controller for ceramic applications, very easy to learn and understand, more advanced alternative to analog controls	compact and powerful programme controller for all applications in ceramics, flexible firing curve, adjustable programmes, very easy to use, best buy for feature and price	compact and powerful programme controller for applications requiring a fully flexible firing curve (e.g. glass fusing, D & R) etc.; multiple heating, dwelling and cooling segments
<b>firing curve</b>	First ramp selectable 60/120/240/360/480 °C/h or full-on (100%) to fixed setpoint 580°C, Second ramp full-on (100%) to adjustable top temperature 400°C-1320°C (in 5°C steps), Dwell adjustable (0/10/20/30/60 min)	Delay Start 0:00-10:00 hours, First ramp 5°C/h to 999°C/h or full-on to adjustable first setpoint, Second ramp 5°C/h to 999°C/h or full-on to adjustable second setpoint, Dwell 0:00-10:00 hours, Cooling Ramp 5°C/h to 999°C/h	Any shape of the firing curve: Delay Start 0:00-10:00 hours, up to 9 ramps (as heat up, dwell or cooling ramp), on each ramp adjustable time (0:00 to 10:00 hours) and temperature (20°C to maximum kilns temperature)
<b>programmes</b>	1 (set programme will be saved)	6 user definable programmes	3 user definable programmes Option -E: 20 programmes
<b>displays</b>	4-digit LED, firing curve	4-digits LED, firing curve, units	4-digits LED, 2-digits segment number, 5x7 LED dot matrix for segment profile
<b>safety features</b>	self-test, optional drive of 2nd power relay thermocouple break and short -circuit	extended self-test, optional drive of 2nd power relay thermocouple break and short-circuit self-test of the acquisition input	extended self-test, optional drive of 2nd power relay thermocouple break and short-circuit self-test of the acquisition input
<b>error messages</b>	•	•	•
<b>error logbook</b>	-	•	•
<b>accuracy/control type</b>	0,4% / PID	0,2% / PI/PID	0,2% / PI/PID auto tune
<b>EMC accord. IEC 801 IV</b>	•	•	•
<b>mains supply</b>	85-264V AC/DC	85-264V AC/DC	85-264V AC/DC
<b>approvals</b>	CE	CE	CE
<b>dimensions in mm</b>	80 x 153 x 22	80 x 153 x 22	80 x 153 x 22
<b>weight (w/ plug)</b>	340 g	340 g	350 g

• = yes / - = no

### Available Accessories



click-on wall mounting set



sockets

The **wall mounting set** is made of stainless steel and comes complete with screws and wall plugs.

The **electrical link** to the kiln (power supply 220V, control output for the contactor (220V/1A) and thermocouple) is established using a multipole connector.

### ordering information:

**example:**

TC 66 S 1 HAN7Da 1,4

- length of lead in m
- plug (HAN 7Da, HAN15Da, CPC14a)
- number of additional control outputs (0/1)
- thermocouple (S, R, K, J or X = settable)
- model (TC 44, TC 66, TC 88)