Slim Elegance TC75 and TC95: The new Compact Series

bentrups sucessors of the hotrunners TC66 and TC88 arrived: TC75 for ceramic applications and TC95 for fully flexible temperature profiles with an elegance not known yet in this class of kiln controllers. Watch the appealing TC95 grafic display!

Both are SuperWise ready - have them on your smartphone or tablet right after registration. No further hardware is needed, log them into your Wifi and you have access from everywere.

bentrup controllers stand for reliability and simple operation since 1984. Check out the wide product range of temperature controllers on www.bentrup.com - starting at compact controllers going up to complex PLC integrated multiloop systems for the industry.

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SUPERVISE

Have your bentrup on your smartphone/tablet/desktop PC
TC75 and TC95 are SuperWise **ready**

TC75

TC95

		TC75	TC95
General Information	Compact handheld wall mounting temperature controller for all types of kilns and processes. Simultaneous reading of important process values, changeing main process color on temperature deviations. Intuitive modern GUI.	complex LED	2.8" TFT
Data Logging USB	Logging of 48 hours of all relevant process data dumped on USB-Thumbdrive on insertion. Event Log dumped as well for ease in finding application, operator or technical issues. USB file for simple assignemnt of individual programme names.		on request
Technical Data	Powerful 32-bit ARM microprocessor based controller. Non volatile event log (sensor failure, short circuit, power breakdown, user access etc.) and continuous process supervisory. Event log for error tracking and recording. Self validation of all relevant components. Adaptive P/PI/PID controller with continuous auto tune.	■	■
Temperature Profile	Number of programs / segments (one segment = ramp followed by dwell)	6/4	20/20
Smartphone Access	Wifi WSK / WEP / WPA2	option	default
Electrical Data, Ambient Requirements, Approvals	Energy efficient power supply 85-264 V AC/DC (option 24V), max power dissapation 2W, ambient temperature -10°C to 60°C, air humidity 10% to 90% non condensing, high level of active and passive EMC according to IEC801/4-IV, CE conformity. Connects to all electrical standards via HAN7D, HAN15D, CPC14 etc. kiln sockets.	■	■
Mechanical Data	Wall mounting case 160 x 58mm of industrial ABS plastic, thickness 21mm only, weight 290g, optional stainless steel wall mounting bracket	■	■
Analogue Input (Sensor Input)	programmable for thermocouples (S, R, K, J, N, E, B), standardized signals voltage (20mV/50mV/10V) or current (0-20mA, 4-20mA), resistance (0-500R, PT100), internal or external CJC, accuracy 0.05%, resolution 17 bit, acquisition rate 16Hz	■	■
Switching Outputs	2 relay outputs max. 8A/250V to directly drive contactors (dry open contacts O/R)	■	■
PWM outputs	Pulse width modulation (PWM) outputs for solid state relays (SSR), 14V/60mA each, adjustable rate (1Hz to 10Hz) & pattern, overload/restart feature, error detection/indication	on request	on request
Alert on end-of-life heating elements	SmartCheck determines ageing of heating elements and provides in-advance notice. alert via SuperWise	■	■