

Controller Comparison

Feature	Thermotron 8200	Thermotron 8800
Touch screen Display	5" & 7" wide touch screen 800x480	12.1" touch screen 800x600
Operating System	MS Windows (CE)	Windows 10 IoT
Control Method	PI	PI
Processor Speed	1 Ghz	2.4Ghz Dual Core
RAM	512 MB	2 GB
Data Storage	16 GB	240 GB
Thermocouple types	T, J, K, E, RTD	T, J, K, E, RTD
PTC	Std	Std.
Refrig. Gauges	Mechanical	Digital
Temperature Scale	C or F	C or F
Control Channels	4 programmable, 4 single setpoint	4 programmable, 4 single setpoint
Monitor Channels	Up to 16	Up to 40
Operating Modes	Auto or Manual	Auto or Manual
Programs	Unlimited	Unlimited
Program Loops	300 per program, 9999 repeats	300 per program, 9999 repeats
Intervals per program	300	9999
Drag-N-Zoom	Yes	Yes
Activity Log	Typically 13 Years	13 years
Alarm History	Typically 13 Years	13 years
Trend Graph History	Typically 13 Years	13 years
Data/Program Backup/ Restore	Yes	Yes
Calibration Wizard	Yes	Yes
Programming Wizard	Yes	Yes
Control Parameter Groups	4	4
Service Messages	8	8
Running Time Meters	Yes	Yes
Help	Yes	Yes
Power Saver Feature	No	Yes
Software Updates	Free	Free
Computer I/O		
Ethernet	Std.	Std.
RS-232	Option	Std.
GPIB	Option	Option
USB Ports	1	6
USB Printer Support	Future Enhancement	Yes
Web Server	Yes	Yes
Security	6-levels p/w protected	6-levels p/w protected