



Product Comparison – TTC Interface Selection

TTC International Interface



TTC Touch Screen Interface

Windows NT® Operating System



Core Description

	International	Touch Screen
Maximum zones	128	640
2 year warranty	X	X
Modular design	X	X
Automatic/manual control	X	X
Adaptive PID control algorithm	X	X
Algorithm is executed 20 times per second	X	X
Extended tuning ranges (fast/slow)	X	X
Phase angle firing	X	X
Wet heater bakeout	X	X
Power compensation in manual mode	X	X
T/C resolution 0.2 degrees F over full scale	X	X
Zone “on”, “off”, and “locked off”	X	X
Delta/bye convertible option	X	X
Degree F/C	X	X
Thermocouple J/K	X	X

Actual Values

	International	Touch Screen
Actual temperature	X	X
% output	X	X
Deviation from set point	X	X
Amps	X	X
Volts		X
Watts		X
Ohms		X

Alarms

	International	Touch Screen
High temperature (adjustable)	X	X
Low temperature (adjustable)	X	X
Thermocouple pinched (adjustable time)	X	X
Thermocouple open (remembered % output)	X	X
Thermocouple reversed	X	X
Open fuse	X	X
Shorted heater	X	X
Open Heater	X	X
Uncontrolled output (relay power cut off)	X	X
Critical over temperature alarm (adjustable)	X	X
Heater resistance monitoring (predict heater failure)		X
Heater wattage monitoring (predict leaks)		X
Alarm history		X

Selectable by zone

Interfaces are interchangeable. Touchscreen software is included free of charge with the International Interface. Users can load the complimentary software on any computer with Windows 98®, 2000®, NT® or XP® operating systems.

Operational Features

	International	Touch Screen
Menu storage	10	1000
Programmable groups	4	20
Instant grouping	X	X
Boost (selectable time/amount)	X	X
Trim	X	X
Slaved power up (enable/disable)	X	X
Automatic set point limit	X	X
Manual set point limit	X	X
Security levels	X	X
On power up “on” or “off” (“ask” touchscreen only)	X	X
Auto load manual remembered % output		X
Operation identification		X
Tool graphics with real time data overlay		X
Thermocouple “rewire”		X
On-line help		X

Software Features

	International	Touch Screen
Gammavision (SPC data/graphing)		X
Instant data reporting (up to 24 hours)		X
Data report storage (up to 1 year)		X
Mold Doctor (advanced troubleshooting)		X
Field Calibrator		X
On screen or hard copy printing		X
Networking		X
Remote troubleshooting		X

Cable Connections on Enclosure/Tool End

	International	Touch Screen
HBE 16/24/48 or DME standard	X	X
PowerTECH modular connector	X	X
Custom connectors	X	X

Inputs

	International	Touch Screen
Standby (selectable group) (also manually activated)	X	X
Control inhibit (voltage to activate)	X	X
Control inhibit (voltage to deactivate)	X	X
Material protection	X	X
Sequenced power up (also manually activated)		X
Remote boost		X

Outputs

	International	Touch Screen
Resettable alarm output	X	X
Non-resettable alarm output	X	X
OK to run output	X	X

Misc.

	International	Touch Screen
Find this module LED	X	X
Daisy chain enclosures	X	X