

Comparison of Technical Properties

Programat®



P310 G2



P510 G2



P710 G2

Hardware Features			
Widescreen colour display	4.3"	7"	7"
Membrane-sealed keypad & touch display operation	✓	✓	✓
QTK 2 muffle technology	✓	✓	✓
SIC bottom reflector	✓	✓	✓
Double-valve vacuum technology	✓	✓	✓
OSD with status indicator and explanation	✓	✓	✓
Optic package	✓	✓	✓
OSD with progress indicator	-	✓	✓
Programat Infrared Technology IRT	-	✓	✓
Programat WLAN Kit*	-	✓	✓
Integrated stereo speakers	-	✓	✓
Programat Bluetooth Kit*	-	-	✓
Microphone	-	-	✓
Software Features			
New operating concept with modern icons	✓	✓	✓
Language options of software	25	25	25
Preset Ivoclar Vivadent programs	✓	✓	✓
Individual programs	300	500	700
Individual programs on USB flash drive	300	500	700
Different operating modes	✓	✓	✓
Predrying program (indiv. time/temp.)	✓	✓	✓
Vacuum assistant (-1°C below T)	✓	✓	✓
Noise-reduced operation of vacuum pump	✓	✓	✓
Power Saving Technology	✓	✓	✓
Integrated voltage indicator	✓	✓	✓
Electronic Vacuum Control System (EVCS)	✓	✓	✓
Program bypass in case of power failure	✓	✓	✓
Muffle cleaning program	✓	✓	✓
Dehumidification program	✓	✓	✓
Modern signal tunes	✓	✓	✓
Remote diagnostics via diagnostic file	✓	✓	✓
Integrated test programs (e.g. heating, vacuum, etc.)	✓	✓	✓
Display of notes and errors with text	✓	✓	✓
Operation and programming via notebook/PC	✓	✓	✓
Firing protocols for QA via notebook/PC	✓	✓	✓
Software update via USB flash drive and cable	✓	✓	✓
IoT connectivity	✓	✓	✓
Software update via WLAN	-	✓	✓
Picture Manager via notebook/PC/Programat App	-	✓	✓
Preset timer function	-	✓	✓
Integrated program copy assistant	-	✓	✓
IR camera-operated closing process	-	✓	✓
IR camera-operated predrying	-	✓	✓
IR camera-operated cooling process	-	-	✓
MP3 and video player	-	✓	✓
Picture viewer	-	✓	✓
PDF viewer	-	-	✓
DSA - Digital Shade Assistant	-	✓	✓
Glazing function assistant	-	-	✓
Bluetooth handsfree set	-	-	✓
Audio response in 25 languages	-	-	✓
3-step heating	-	-	✓
2-step cooling	-	-	✓
Temperature Calibration			
Calibration	Manually	Automatically	Automatically
Adjustable calibration interval	✓	✓	✓
Automatic double-range calibration ATK2	-	✓	✓
Design and Ergonomics			
Large cooling tray	✓	✓	✓
Integrated tong holder	✓	✓	✓
Removable furnace head	✓	✓	✓
Integrated cable duct	✓	✓	✓
Swivel keypad unit	-	✓	✓
Connections			
USB	1	3	3
USB host	✓	✓	✓
Ethernet (LAN)	✓	✓	✓
SD Card Reader	-	✓	✓
Audio connections (in/out)	-	✓	✓
Technical Data			
200 – 240 V / 50 – 60 Hz	✓	✓	✓
110 – 120 V / 50 – 60 Hz	✓	✓	✓
Max. power consumption at 110 – 120 V (Ampere)	12	12	12
Max. power consumption at 200 – 240 V (Ampere)	8.5	8.5	8.5
Max. heating rate	140 °C/min	140 °C/min	140 °C/min
Warranty			
Warranty Period*	2 years	3 years	3 years

✓ Standard delivery form
 - not available
 * excluding consumables

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