

# Programat<sup>®</sup> P310

The user-friendly furnace

Economical firing  
performance.  
Top-quality results.

Now with new  
OSD display



  
ivoclar  
vivadent<sup>®</sup>  
passion vision innovation

# The most economical Programat® of all time.

## **Proven**

The firing and press furnaces from Ivoclar Vivadent are based on long-standing success. The company has been manufacturing high-quality dental furnaces for discerning customers since 1976. The furnaces have been proven a thousand times over in dental settings around the world.

## **Innovative and cost-effective**

The Programat® P310, which has been developed on the basis of the Programat® P300, features a number of convenient innovations. These make the furnace even more cost-effective.

## **EVEN MORE**

- Large cooling tray
- Integrated firing tong holder
- Operating mode for commercial laboratories
- Manual temperature calibration using silver test
- Variety of maintenance programs
- 300 individual firing programs
- Vacuum Parameter Wizard (VPW)



## Further highlights

### **QTK2 muffle technology with SiC bottom reflector**

The new QTK2 muffle technology together with the SiC bottom reflector ensures even temperature distribution for optimum firing results.



### **Thermo-Shock Protection (TSP)**

The TSP function prevents thermal shock of the ceramic if the furnace head is closed while it is too hot.



### **Double-valve vacuum technology**

This feature reduces the noise level of the pump during operation. The vacuum pump evacuates moisture from the vacuum hose and the firing chamber.



### **LAN and USB ports**

The furnace can be connected to other devices, such as printers, USB flash drives and external hard drives, by means of LAN and USB interfaces. Software updates can be downloaded from a USB flash drive at any time.



### **Power Fail Save System**

This system bridges short power interruptions of up to 10 seconds, without the program being aborted.



### **Removable furnace head**

Easy transportation and high maintenance friendliness due to removable furnace head.



### **Remote diagnostics via e-mail**

A diagnostic data file can be generated at the push of a button. It can be conveniently sent by e-mail to one of the service centres, which will attend to the issue immediately.



# Programat®

A STORY OF SUCCESS

Economical  
Effective  
Future-oriented



## Stand-by key saves power

Efficient use of energy and responsible use of valuable resources: Ivoclar Vivadent is committed to this goal. Therefore, the Programat P310 is equipped with the new Power Saving Technology. In the stand-by mode, the energy consumption of the furnace drops by almost 40 percent. As a result, you save on electricity costs and help to protect our environment at the same time. Look out for the Power Saving Technology label on the back of your device.

## Saving electricity is easy

**Simply press the Power Saving key:** If the furnace is not being used, briefly press the Power Saving key to activate the power-saving mode.

## Technical Data

<b>Power supply</b>	110 – 120 V, 50 – 60 Hz 200 – 240 V, 50 – 60 Hz admissible voltage fluctuations $\pm 10$ %
<b>Max. power consumption</b>	12 A at 110 – 120 V 8.5 at 200 – 240 V
<b>Vacuum pump data</b>	Max. power consumption: 250 W Final vacuum: < 50 mbar Only tested pumps should be used
<b>Dimensions of closed furnace</b>	Depth: 465 mm Width: 320 mm / 390 mm (with cooling tray) Height: 320 mm
<b>Dimensions of firing chamber</b>	Diameter: 90 mm Height: 80 mm
<b>Max. firing temperature</b>	1200 °C
<b>Weight</b>	15.6 kg
<b>Safety information</b>	The furnace is built according to the following standards: – IEC 61010 – UL and CAN/CSA
<b>Radio protection/ Electromagnetic compatibility</b>	EMC tested

## Delivery Form

**Programat P310**  
Power cord  
Vacuum hose  
Programat firing tray kit 2  
Temperature checking set 2  
USB download cable  
Programat USB flash drive

## Recommended Accessories

(not contained in the delivery form)

Temperature Checking Set 2  
VP3 easy or VP4 Vacuum Pump  
Firing tongs



VP3 easy



VP 4



# Sets a new benchmark. with its ease of operation.



### **Ease of operation**

The Programat P310 is characterized by its exceptional user friendliness. The desired program can be selected quickly and comfortably, either on the high-resolution touchscreen or the proven membrane-sealed keypad. The menu is clearly structured and features modern icons, which can be click-activated to find programs and settings.

### **OSD display**

The optical status display (OSD) uses different colours to inform the user about the actual operating status. (Red = heating, Green = ready, Yellow = not ready).



**All the Ivoclar Vivadent firing programs are pre-set and divided into different materials groups.**



## Fixed prosthetics

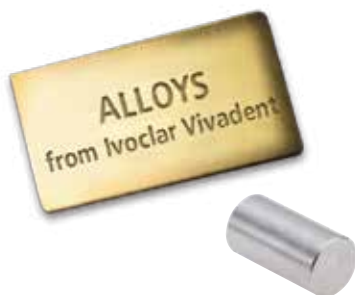
Programat® forms a part of the “Fixed Prosthetics” product category. The products of this category cover the procedure involved in the fabrication of fixed prosthetic restorations – from temporization to restoration care. The products are optimally coordinated with each other and enable successful processing and application.



### THESE ARE FURTHER PRODUCTS OF THIS CATEGORY:

#### Alloys

An alloy selection like no other



Performance, quality, trust

- Broad range of alloys adjusted to the requirements of modern dentistry
- Ideally coordinated with ceramic and composite veneering materials
- More than 100 years of experience in dental alloys

#### IPS Style®

The first patented metal-ceramic containing oxyapatite



Make it your Style

- Make it fast. IPS Style's low shrinkage saves you time
- Make it easy. The material's ease of use ensures reliable results
- Make it natural. The oxyapatite controls the translucency and depth effect

Would you like to know more about the products of the “Fixed Prosthetics” category? Simply get in touch with your contact person at Ivoclar Vivadent or visit [www.ivoclarvivadent.com](http://www.ivoclarvivadent.com) for more information.

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