

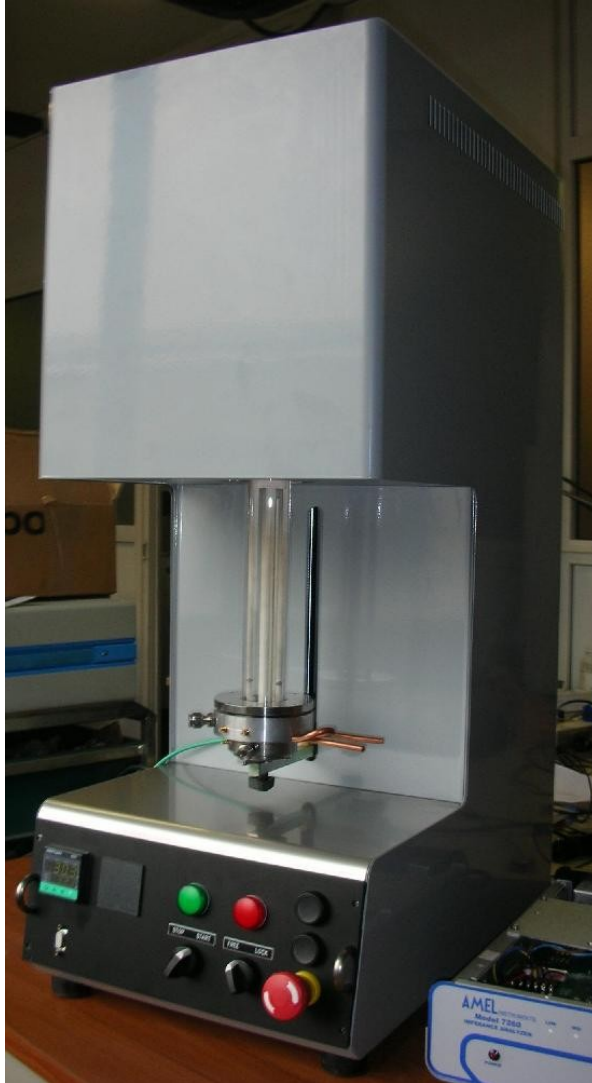


1KB-1200 1KB-1600

HIGH SAFETY VERTICAL FURNACE



MaterialsMates Italia



The vertical design and the cell movement control gives to this oven an unprecedented level of safety for the operator

Most materials are subject to high temperatures across their life cycle: from drying, to characterization or sintering, up to severe operating conditions, and a state-of-the-art Lab must be equipped accordingly. High performance, ease-of-use and intrinsic operating safety are key features of a modern equipment.

The 1K2-V oven, designed and manufactured by **Special Furnaces** will meet your highest level expectations.

In a compact and very attractive form factor the unit provides a top operating temperature of 1200 C° or 1600 C°, depending on the model, a gas-ballast furnace volume and a vertical lift system that moves the cell in and out of the hot zone.

A comprehensive range of accessories, produced by **Cell Company**, is available to extend the system configuration, from gas-tight quartz or sintered alumina holders, to the full range of sample holders for electrochemical measurements.

The tightest level of safety is reached through inert gas flooding, or hazardous gas active detection systems.

This oven is ready to hold your valued samples in a controlled environment for the highest repeatability and performance.

Contact us, and talk to a specialist to find out more on the advantages of our solutions.



OVEN

Temperature range Ambient to 1200 °C or 1600 °C
Inner volume (usable) 80 mm x 80 mm dia with < 1 °C uniformity
Heating system Super Kanthal 1350 °C wire (1200 °C)
 4 disilicide U-shaped elements (1600 °C)
Orientation Vertical
Insulation materials Eco-fiber alumina,
Loading Bottom up:
 Electric lift for the sample holder
 Run length 280 mm
 Max load: 2 Kg
Gas ballast Inert Gases and air allowed
Other features Panic button , sample thermocouple input,
 status lamp, active safety on the lift

CONTROL SYSTEM

Controller Gefran 800 (Eurotherm 2216e optional)
Thermocouple (oven) Type S
Interface RS-232 serial port
Communication protocol MODBUS
Sample Thermocouple Type T (S on request)
Cascade controlling through software only (2nd controller on request)

POWER SUPPLY AND SIZE

Voltage mains 115 or 230 V (+/- 10%) 50 or 60 Hz
Power consumption 1500 VA max
Size & weight Approx 60 x 40 x 80 cm (L x W x H); Kg 18

ORDER CODES AND OPTIONS

See lower chart

1K-B 1200 1 G X

