

Dear Sir,

we are pleased to send you our offer on supply of the laboratory furnace LE 09/11.

**OUR OFFER NAB-2017-31-000426:**

DESCRIPTION:

Furnaces LE are suitable for testing technology where the exact distribution of temperature, the controlled increase and decrease of temperature, and controlled cooling are important, and where it is also desirable that the heating elements are not in the interior space with the samples. This especially applies to heating material for the heat treatment of metal, various tests of sintering, calcination, determination of the softening point or of material sintering, combusting samples, enamel firing etc.

TECHNICAL PARAMETERS:

Mark:	LE 09/11
Max.temperature*:	1100 °C
Inner volume:	9,4 l
Outside dimensions (wxhxd):	490 x 350 x 515 mm
Internal dimensions (wxhxd):	190 x 170 x 290 mm
Power input:	2,3 kW
Weight:	24 kg
Max. floor load capacity:	6 kg
Voltage:	3/N/PE 400/230V AC 50 Hz



(\*The max. temperature can be attained by the furnace, but is not suitable for long-term operation)

**PRICE OF THE FURNACE: 29 000,- CZK ( VAT number)**

**The price for the transport: 900,- CZK**

STANDARD DESIGN OF FURNACE:

- Ht60B controller,
- Manually operated door opening downwards with an end switch,
- Heating elements in quartz glass tubes,
- Airing chimney on the back part of the furnace,
- Sliders for air inlet control,
- Supply cable fitted with single-phase plug,
- Thermocouple Type "K",
- Solid state relay.

BENEFITS:

- Stainless shell safeguards provide long lifetime of the furnace,
- Heating wire elements are positioned in tubes made of quartz glass,
- Coils are thus partly protected against attacks of aggressive substances which can get released together with furnace charges,
- Programmable controller and the main switch are located on the furnace front side,
- Easy exchange of heating elements and insulation,
- Solid State Relay (SSR) - more fluent and silent running, minimum disturbance of the surrounding mechanism,
- Perfect workshop processing, hardware and safety in service.

OPTIONAL ACCESSORIES:

**HT40P controller**

**PID controller controlled by real time clock enables to control the temperature at a constant value, the**

accuracy of measurement is  $\pm 0.1\%$  of the measurement range, the accuracy of regulation is  $\pm 1\text{ }^{\circ}\text{C}$ . The controller is equipped with a configurable alarm output and an auxiliary output to control an additional function, it is able to save up to 500 records of read values to the internal memory. It may be equipped with a serial communication line RS232 or EIA485.

**Price: 145,- EUR**

#### **Injector with an exhaust fan and draft diverter**

Stainless steel exhaust chimney with fan to improve the furnace draft. The chimney, combined with the pre-installed draft damper, lowers exhaust temperature and acts as a preparatory first step for handling emission of aggressive exhaust gases.

**Price: 600,- EUR**



#### **Protective atmosphere inlet**

Preparation of the furnace for a supply of protective atmosphere into the furnace chamber with hose input on the side of the furnace. In smaller furnaces, eg 550 liters volume, a bottle reducing valve with a flow meter is included.

**Price: 335,- EUR**

#### **Calibration of the controller measuring entry**

Issue of a calibration certificate defining the deviation between the temperature values displayed by the controller.

**Price: 55,- EUR**

#### **Standards RS232 or EIA485**

Standards RS232 and EIA485 serve as a communication link between a PC and an external electronic device. RS232 serves to connect one PC with one device, EIA485 can connect up to 30 devices, by using repeaters this number can be further increased.

#### **Interface RS232 or EIA485**

Includes a connector situated on an accessible place on the furnace.

**Price: 135,- EUR**

#### **Set HtMonit includes interface and software**

Set includes a connector for one of these interfaces situated on accessible place on the furnace, the furnace cable and PC software and equipment - HtMonit software.

**Price: 580,- EUR**

In above-mentioned prices are included the constructional processing, the production, the package and the delivery of the accompanying technical documentation.

Delivery terms: FCA Hrušovany u Brna.

#### TERMS OF PAYMENT:

Price will be paid according to the following invoicing plan:

100% - with the order.

Maturity of the invoices will be 10 calendar days from the date of issuance.

#### DELIVERY DATE:

Furnaces are in stock in most cases. We dispatch them within two days. In case that furnace isn't in stock the delivery time is 5 weeks from the signature of the contract of purchase and settlement of the upfront payment. If you order something of optional accessories the delivery time can be extended.

**GUARANTEE AND THE SERVICE:**

We provide a guarantee for furnace for 24 months from commissioning. For delivery of furnace are valid General delivery terms and conditions of guarantee from LAC, Ltd.: <http://www.lac.cz/en/onas/general-delivery-and-guarantee-terms-and-conditions/>

**VALIDITY OF THE OFFER:**

The validity of this offer is 3 months.

This offer is of informative character and may be used as the basis for contract negotiations, but is not to be considered a final contract proposal.

**Enclosure No. 1:** the photo of the laboratory furnace LE.

