

# LE 700: The proven classic.

The compact universal device with integrated power electronics for a wide range of applications in the range up to 800 W and 600°C air temperature. This small air heater is suitable for blower or compressed air operation. Given a risk of overheating of the heating element, the power automatically reduces.

## Air heater

### LE 700



### Combination possibilities

- Leister air heater at maximum heat power and without nozzle with Leister blower at 50 Hz, 1.5 m hose length and unimpeded air outflow.
- Hot-air temperature 3 mm after air outlet, measured at the hottest point.
- Air flow in NI/min = standard litres / min compliant with DIN 1343.

Power Typ	Number LE × Power consumption W	Air flow NI/min	Temperature °C
ROBUST	1 × 770	1 × 150	420
ROBUST	2 × 770	2 × 150	420

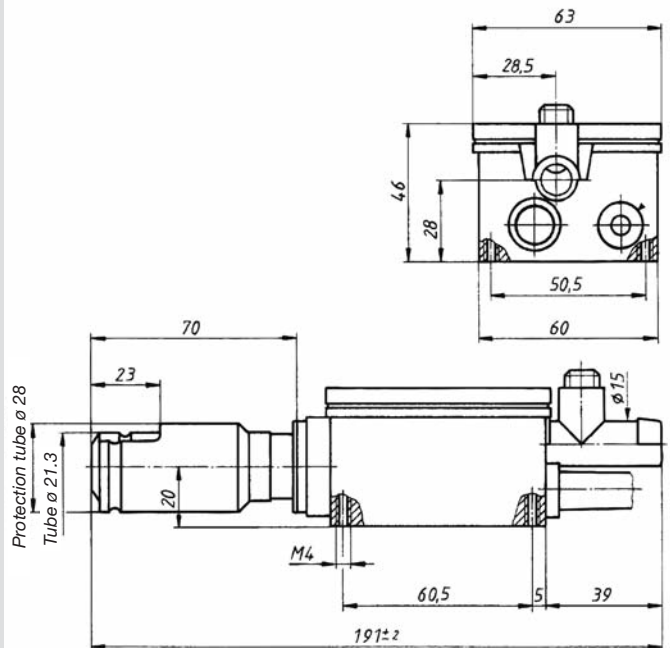
Air flow and temperature specifications may deviate from ideal values due to modifications of the hot-air system (nozzles, hose length, etc.).

### Technical data

#### LE 700

	Without Electronic	With Electronic	For KSR DIGITAL
Heating power adjustable steplessly adjustable with potentiometer		•	
Thermoswitch for device production	•	•	•
Integrated heating element protection		•	•
Remote control interface for KSR DIGITAL temperature regulator or external PLC control with isolation amplifier 1.5 – 6.5 V incl. 1 m cable and plug			•
Max. air outlet temperature °C	600	600	600
Min. air flow l/min.	550 W 770 W	80 100	60 80
Max. air inlet temperature °C	100	50	50
Max. ambient temperature °C	100	60	60
Weight g	200	260	260
Mark of conformity	CE	CE	CE
Approval mark		Ⓢ	
Protection classe II	□	□	□

### Installation dimensions in mm



Voltage V ~		120	230
Power consumption W		550	770
<b>Without Electronic</b>	Order no.		101.352
<b>With Electronic</b>	Order no.	101.354	101.351
<b>For KSR DIGITAL</b>	Order no..		116.650

Additional versions on request

## Temperature controller

### KSR DIGITAL



Technical data	KSR DIGITAL
Suitable for LEISTER air heaters	LE 700,
Regulation type	PID
Ready to use with preconfigured parameter set	•
Accuracy	Accuracy better than 0.2% of scale value at 25 °C
Switchover °C °F	Configurable via keypad
Temperature sensor / input	Type K / socket
Alarm output	2 alarms independently configurable Output at 2 floating relay contacts 2mm receptacle
Connection to air heater	Socket, compatible with KSR models
Voltage	100 – 240 VAC, max. 8 VA
Mains connection lead	2 m, with Euro plug
Mechanics	Regulator built into housing, ready to operate, can also be integrated into the front panel, with cut-out 67 × 67 mm
Size L × W × H	175 × 72 × 72 mm
Weight kg	0.5
Mark of conformity	CE
Protection classe II	□
Order no.	For LE 700, 230 V / 700 W      °C    110.338

## Interface

### Interface



#### Technical data Interface

This interface has to be used for reference voltage operation of LE 700 und HOTWIND S

Power consumption	mA	10
Input range	V DC	0 – 7.5
Output range	V DC	0 – 7.5
Size (L × W × H)	mm	165 × 60 × 80


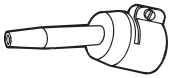

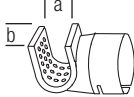
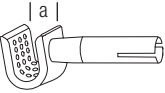
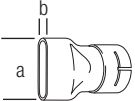
#### Interface

Power supply voltage	V	120	230
<b>For LE 700, KSR DIGITAL</b>	Order no.	129.448	129.563




Additional versions on request

### Accessories LE 700

(Ø 21.3 mm)

107.282		Flange connector, push-fit a = 40 mm
107.144 107.145		Round nozzle, push-fit Ø 5 mm Ø 10 mm
107.152		Round nozzle, push-fit Ø 12 mm
107.310 107.311		Sieve reflector, push-fit (a × b) 20 × 35 mm 50 × 35 mm
107.324		Sieve reflector, push-fit on round nozzle Ø 5 mm a = 10 mm
105.549 105.559 105.548 105.547		Wide slot nozzle, push-fit (a × b) 10 × 2 mm, angled 20 × 2 mm, length 55 mm 40 × 5 mm 50 × 8 mm

### Accessories KSR DIGITAL

106.956		Thermocouple with plug, 1 m cable  <b>KSR DIGITAL</b>
106.958 106.960 106.962		Thermocouple extension cable with plug and connection 2 m 4 m 10 m  <b>KSR DIGITAL</b>
111.331		Controller/extension cable 5 m  <b>&gt; KSR DIGITAL</b>

### Special nozzles on request

If using non-Leister blowers, compressors and accessories no guarantee can be given by us