

SC150

Desktop with integrated power controller and Harting connector ready for connection of one Optron® IR-Spot. Inbuilt switching power supply for supply of the IR-Spot lamp and fan. Stepless and flicker-free adjustment of the heating power via front turning knob or with an external 0 - 10 VDC signal. Connection cable with Schuko plug for power supply and inbuilt ON/OFF switch.



SC150

Max. output power: 150 W (1 x IR-spot)
Output power range: 0 ... 100%
Output adjustment: with front mounted turning knob or 0 – 10 VDC signal
Mains connection: 2 m connecting cable with Schuko plug; 100 - 240 V (50/60 Hz)
Consumer connection: 1 x heavy duty industrial Harting plug for one IR-spot
Control connection: 1 x heavy duty industrial Harting plug
Casing: aluminium lacquered (RAL7035 light grey), aluminium anodized (front plate)
Dimensions (W x H x D): 260 mm x 90 mm x 240 mm (without connectors / cable glands)
Weight: approx. 3 kg
Protection class: IP 20

Item-no.: 600.5118.2

Option:

External START / STOP with 24 VDC control signal

Item-no.: 600.5120

SC150plus

The inbuilt controller can be used for automatic temperature control as well as actuator to set the output power manually from 0 ... 100%. For an automatic control a temperature actual value is needed. In general an irradiation pyrometer is the best solution to measure the temperature of non-metallic surfaces. According to the size of the object to be heated in the focal point of the IR-spot we offer our pyrometer type IN810 with different optics (see data sheet IN810).



SC150plus

Max output power: 150 W (1 x IR-spot)
Output power range: 0 ... 100%
Temperature range: 0 ... 300°C (factory setting, max. range -30 ... 1000°C)
Mains connection: 2 m connecting cable with grounded plug; 100 - 240 V (50/60 Hz)
Consumer connection: 1 x heavy duty industrial Harting plug for one IR-spot
Pyrometer connection: 1 x heavy duty industrial Harting plug
Casing: aluminium lacquered (RAL7035 light grey), aluminium anodized (front plate)
Dimensions (W x H x D): 260 mm x 90 mm x 240 mm (without connectors / cable glands)
Weight: approx. 3 kg
Protection class: IP 20

Item-no.: 131970.2 (without pyrometer)

Options:

Timer function (0 ... 9999 seconds)

with additional push button for START / STOP at the front

Item-no.: 131941

Remote setpoint input 0 ... 10 V DC = 0 ... 300°C (factory setting)

Switching between local and remote setpoint by controller keys.

Item-no.: 131942

Power controller

for IR-Spots

SC600

Desktop with integrated power controller for individual adjustment of up to four IR-Spots. Inbuild switching power supply for supply of the IR-Spot lamps and fans.

Stepless and flicker-free adjustment of the heating power via four front turning knobs or through four external 0 - 10 VDC signal.

Connection cable with Schuko plug for power supply and inbuild ON/OFF switch



SC600

Max output power: 600 W (4 x IR-spot)
Output power range: 4 x 0 ... 100%
Output adjustment: with 4 x front mounted turning knob or 4 x 0 – 10 VDC signal
Mains connection: 2 m connecting cable with Schuko plug; 100 - 240 V (50/60 Hz)
Consumer connection: 1 x heavy duty industrial Harting plug for one IR-spot
Control connection: 2 x Cable gland for control cable inlet, connection to inbuild terminals
Casing: aluminium lacquered (RAL7035 light grey), aluminium anodized (front plate)
Dimensions (W x H x D): 360 mm x 145 mm x 340 mm
Weight: approx. 5.6 kg
Protection class: IP 20

Item-no.: 131948

Option:

External START / STOP *for two spots* with 24 VDC control signal

If more than two spots should be switched on/off with an external 24V signal, this item must be ordered two times!

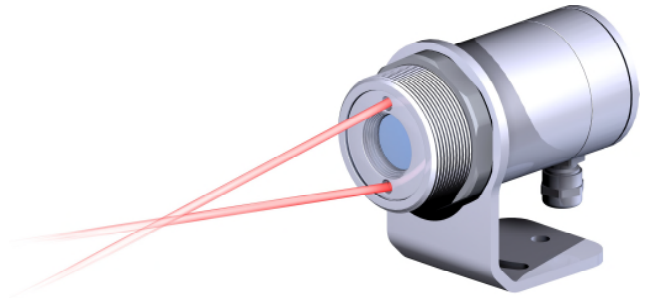
Item-no.: 600.5120

Spare Parts	Item No	
Switching power supply 100 - 240 VAC / 17 VDC / 17 A for power supply of one IR-spot	E120130	
PWM – power controller module 17 VDC / 15 A for power adjustment of one IR-spot	E120120	
Switching power supply 100 - 240 VAC / 17 VDC / 36 A for power supply of up to four IR-spots	E120129	

Irradiation pyrometer type IN810 CF2 (for SC150plus)

Temperature range: -30°C ... 1000°C (preset to 0 ... 300°C)
Spectral range: 8 to 14 µm
Optical resolution: 50:1 / measuring spot size Ø3mm at a distance of 150mm
Response time: 150 ms
Power supply: 5 ... 28 V DC

- Double laser aiming marks real spot location and spot size at any distance
- Ambient temperature up to 85°C without cooling and automatic laser switch off at 50°C
- Scalable 4 ... 20 mA analog output and additional simultaneous alarm output
- RS232 interface for configuration and simultaneous signal recording
- Emissivity adjustable via sensor or software
- Short circuit and polarity reversal protection
- Incl. fixed mounting bracket



For further information and other optics, see data sheet of the IN810.

Item-no.: 121812

Adjustable mounting bracket, stainless steel

Item-no.: 121820

