

TEP 20-T

Electronic Power Supply for UV lamps, step less adjustable from 300 to 2,000 W - Table Top version

This Electronic Power Supply is designed to drive uv medium pressure lamps in various fields of industry where a lamp power of up to 2,000 W is needed, e.g. for curing applications and many other.



Special Advantages:

- complete, ready to use desktop power supply, including measuring instruments, igniter and potentiometer to adjust the power
- universal use in the nominal power class of 300 to 2,000 W; this means 1 power supply drives different types of uv lamps in the above named power class
- stepless power adjustment
- constant wattage uv lamp output according to power settings
- no influence of mains voltage fluctuation
- wide range of mains voltages from 196 to 249 V, 50 and 60 Hz
- with power factor correction, PF approx. 0.99
- no phase angle correction necessary
- built-in igniter
- alternative power adjustment via external DC 0...10 V possible
- output is protected against ground faults, overload and short circuits, open circuit causes no problems
- status monitoring by a three-coloured LED and potential-free change-over contact
- in accordance to DIN VDE 0160 and other European and world wide standards (IEC)
- CE sign
- optional visualisation software available via RS232 (for configuration of maximum power, readout of internal device data such as lamp voltage and current as well as error message)

Technical data	
Art. No.	630 20079 0000
Power output	approx. 300 – 2,000 W, step less adjustable
Mains	196 to 249 V / 50 or 60 Hz / L, N, PE
Mains current	12 to 9.5 A
Power Faktor / THDi	0.99 / 4.0 % at 2,000 W
Lamp operating voltage	100 to 300 V ¹⁾
Lamp operating current	up to 14 A
Typical lamp arc length	5 to 45 cm (2" to 17")
Lamp power adjustment	built in 10 turns potentiometer with appropriate scale 0.0 to 9.99
Duty frequency	approx. 55 Hz
Power loss	approx. 15 %
Dimensions (WxHxL)	approx. 263 x 173 x 340 mm
Weight	approx. 8.5 kg
Cooling of the unit	internal
Operating temperature	0 to 35° C
EMC	according to EN 55011, group I, class A (industrial areas)

1) To reach 2,000 W, a minimum lamp voltage of 145 V is necessary.