

UV-Lamp “SUPER UV 2005”



Artikel-Nr. 142.000.106

The UV-Lamp Super UV 2005 consists of 2 component units:

- a) Power supply unit in a sheet steel case with connection socket, plug and mains supply.
- b) UV-Lamp and connection cable.

The equipment can be connected to any power supply with 230V AC. Lamp ballast is installed in the sheet steel case, which besides this is supplied with the on/off-switch and connection socket for the UV-lamp

Advantages of the Super UV 2005

- a) Possible application under daylight due to high UV-intensity
- b) Combination of UV-Band pass filter and UVB-Long pass filter reduces the emission of UVB and UVC to nearly 0%.
- c) Spectral distribution of UV-emission is according to the directives of DGZfP (German Society for NDT) and BGFE (Professional Association for Fine mechanics and Electronics)
- d) Very cheap UV-Lamp

Field of Application:

Magnetic Particle Inspection
 Liquid Penetrant Inspection
 Leakage test on Weld Seams
 Leakage test on open and closed systems

Hydraulic Systems
 Electro Industry
 Clean room technique*
 Medical sphere*
 Research

* Please apply for our special UVC- or UVB –Catalogues respectively

Technical Data:

Weight of sheet steel case	approx. 3,4 kgs
Length of power cable metal box	approx. 2,0 m
Weight of Lamp Housing	approx. 1,3 kgs
Length power cable UV lamp	approx. 4,0 m
Dimensions	200 x 100 x 65 mm
Input Voltage	230 V 50/60 Hz
Starting Current	1,60 A
Operating Current	1,10 A
Starting Time	below 5 minutes
Restarting Time	below 10 minutes
UV-Lamp	100 W - E 27
Protection class	I
Type of protection	IP 20
Fuse	3,15 A - delay
UV-Light Intensity	about 9.000 µW/cm ² at 400 mm distance
Wavelength of UV-Light	365 nm
Half-width value of UV-Emission	about 1,5 nm
Risk Classification	4

Extent of Delivery (Standard):

Lamp ballast, lamp housing with UV-filter plain, UVB-Long pass filter, UV-bulb HN 100, connection cable and sheet steel case

Special Accessories:

Isolating Transformer 230/230 V 320 VA

Housing Dimensions: 215 x 235 x 140 mm IP 54
acc. to EN 61558 2-9

No. 131.009.030

Extension cable with plug and socket for the
connection of metal housing and UV-lamp, length: 10m

No. 142.000.301

Extension cable like above, length: 20 m

No. 142.000.302

Spare parts:

Lamp housing

No. 142.000.131

UV Spare Bulb HN 100

No. 142.000.133

UV-Band Pass Filter

No. 142.000.333

UVB-Long Pass Filter

No. 142.000.151

The following requirements are fulfilled:

DIN EN ISO 3059 (EN 50081 Part 1; EN 55011; EN 50082; IEC 801 Part 1 to 3, Directive of DGzFp Nr. FA-EM-06-2001v. 16.03.2001, Professional Association BGV B 11, CE –Mark.



Technical changes and errors excepted

May 2010