



**UVA 135**

**Turn out the light and see!**



## **UVisable® cleaning and hygiene control**

- **Easy to use**
- **Quick and simple to start**
- **Battery powered and portable**
- **Instant result**
- **Low cost**
- **Instructive and pedagogic**

### **Unvisible clean with UVisable®**

Organic material, chemicals and many other substances are fluorescent and lights up with UV-light. Organic residues in dairy and food industry will therefore glue in the dark. UV-light can be used for effective monitoring of cleaning and hygiene in production equipment, premises, toilettes, etc and also detect leakage in cooling systems and water pipes.

### **Secure quality before starting production**

It is always better to prevent bacteriological problems than having to deal with them urgently. The residues will glue in the dark. If no residues there is no fluorescence. Using UVisable® you can easily secure the hygienic standard before starting production. Instead of waiting for the answer from an ordinary analysis, the production staff can get the answer immediately.

UVisable® is a valuable tool for daily monitoring. It can be extremely expensive finding and learning where the problem sources are if the hygiene is not perfect.

### **The lamp technology**

The UVisable® UVA 135 is the result of concerted efforts to develop the best hand-held ultraviolet lamp available anywhere on the market. The light source is a 35 W gas discharge lamp, which is small in size, shock resistant and extremely durable. The light source and reflector in combination with a unique electronic drive unit produce UV-light of an intensity over 10 times that of conventional UV-lamps in the 100-150W range.

Built to an entirely new design concept, the UVisable® UVA 135 is a hand-held, high performance UV-lamp that far outstrips black-light lamps hitherto available on the market. By making it much easier than previously to detect fluorescent materials and pigments, UVisable® UVA 135 represents a dramatic increase in on-the-job efficiency.

## Applications

The UVisible® UVA 135 is suitable for all applications where UV-lamp are used. The most common applications are:

- Checking and cleaning in food industries, restaurangs and institutional kitchens
- Non-destructive testing (NDT)
- Checking hygiene areas/ premises
- Leak detection in cooling systems, water and hydraulic pipes, engines
- Forensic investigations

The high intensity and extra long reach of the UV-beam opens up a whole new range of applications, for instance rescue missions at sea or in the mountains.

### Quick, simple, economical

The UVisible® UVA 135 enables you to get on the job much faster than conventional UV lamps. Immediate start - powering to full beam intensity after only 10 seconds - saves much

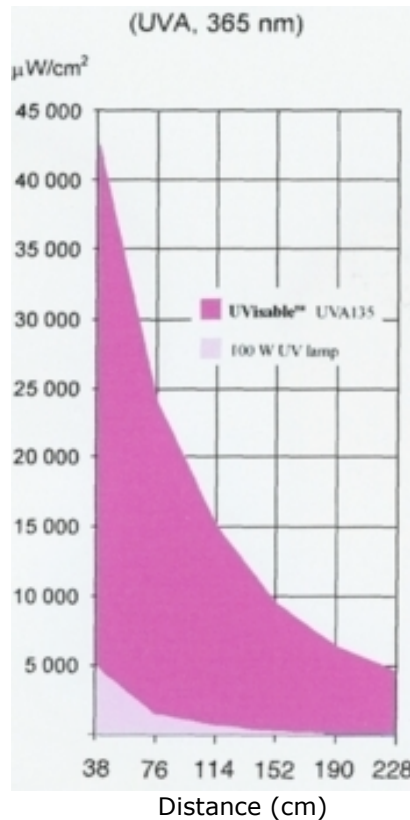
With the UVisible® UVA 135, working with ultra violet is also much simpler, since it's unique, high-intensity UV-beam makes it possible to work under most indoor light conditions. Battery operation also makes it easier to move around on the job and enables ultraviolet to be used for applications where no external mains supply is available.

### Battery or mains operation

The UVisible® UVA 135 is powered by a NiMH rechargeable 12 V battery that delivers current for approx. 1 hr and 15 min. on a single charge. The battery can be recharged in just four hours.

The UVisible® UVA 135 can also be powered from a standard mains supply (100-240 V). The lamp can also be powered from a car battery by plugging into the vehicle's cigarette lighter.

## Irradiance



*The UVisible® UVA 135 produces a beam of nearly 10 times the intensity and more than 4 times the reach of a conventional 100 W UV lamp.*

### Low heat generation

The UVisible® UVA 135 generates very little heat. The risk of burns is thus extremely small, as is the risk of causing a fire.

### Robust and shock resistant

As the UVisible® UVA 135 is designed to function reliably for many years, it is highly economical in use. The lamp unit is manufactured of sturdy, oil-resistant rubber, while the battery and electronic components are housed in an aluminium casing. Due to the construction of the light source it is also shock resistant.

### Visible light

The UVisible® 135S-series also includes a lamp for visible light, the MegaLight 135S.

## SPECIFICATIONS

### Lamp house

Material	Oil-resistant rubber
Reflector	Diam. 135 mm, Al.
Light source	35W Discharge lamp
Light-up time	Max. beam intensity within 10 seconds
Wavelength	365 nm (UVA)
Irradiance (15")	45 000 $\mu\text{W}/\text{cm}^2$
Beam geometry	Narrow, tapering
Lifetime >	2000 h
Dim. (mm)	270 x 135 (H x W) diam. 160 mm
Weight	1.2 kg

### Electronic and battery control unit

Material	Anodized aluminium
Battery	NiMH 12 V, 4.5 Ah
Dim. (mm)	195 x 110 x 80 (H x W x D)
Weight	1.5 kg

### Mains and battery unit

Material	Anodized aluminium
Supply	100-240 V AC
Dim. (mm)	195 x 110 x 80 (H x W x D)
Weight	1.9 kg

### Mains power unit

Material	Anodized aluminium
Supply	100-240 V AC
Dim. (mm)	42 x 245 x 80 (H x W x D)
Weight	1.2 kg

### Battery charger unit

Material	Plastic
Supply	100-240 V AC
Dim. (mm)	100 x 62 x 47 (H x W x D)
Weight	0.22 kg
Rating	IP 44
Temp. range	-20°C to +40°C

All units are CE-marked



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