



UV-LED Hand Lamp

Mobile Lamp for Battery and Mains Operation

KARL DEUTSCH

UV-LED Hand Lamp

Lightweight, compact and large illuminated area



Ergonomic UV-LED Hand Lamp for ambidextrous usage



Dust-tight and splash-proof design with sealable openings



Charger for high-performance lithium-ion cells included



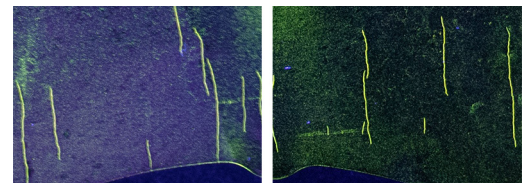
Supplied in a handy carrying case

UV-LED Hand Lamp for use in fluorescent magnetic particle and penetrant testing

Features:

- Ergonomic and compact hand lamp
- Small, handy design
- Convenient, one-handed operation via button
- Supports left- and right-handed usage
- UV-LED technology with long illuminant life of more than 10,000 hours
- Five high-power UV-LEDs and one white light LED
- Switchable between UV and white light via button
- Immediate operational readiness
- UV irradiance: 40 W/m² or 4,000 µW/cm² at 380 mm distance
- Large UV-illuminated area: Ø 300 mm at 380 mm distance (> 10 W/m² or 1,000 µW/cm² acc. to ASTM)
- Very uniform irradiance distribution
- Risk class 2 (according to DGZfP leaflet EM 06)
- Meets the requirements of operational safety for the lowest possible UV exposure
- Meets all requirements of the German Society for Non-Destructive Testing (DGZfP leaflet EM 06)
- Fulfils the standards DIN EN ISO 9934-3 und DIN EN ISO 3059
- Quality Test Certificate included
- UV-A radiation with 365 nm wavelength

- No hazard by UV-B and UV-C radiation
- White light component in UV light: < 5 lx
- Constant control of LEDs for longer illuminant life (flicker-free)
- LEDs protected against overheating
- Integrated special filter to avoid reflections
- Protective glass easily changeable
- Premium lamp head with rubber protection ring to protect against impacts and for safe storage
- Dust-tight and splash-proof (IP64)
- Operated by 2 lithium-ion batteries, type 21700
- 2 battery sets plus charger included
- No danger of electric shocks
- Approx. 4 hours of continuous battery operation
- Status LED signals the end of the operating time
- Energy saving by automatic switch-off in resting position
- Optional mains operation via power supply



The integrated special filter avoids disturbing reflections (left) to ensure better crack detection (right)

Technical Data

Lamp	
Weight	650 g (incl. batteries)
Length / width / height (max.)	166 mm / 96 mm / 188 mm (approx.)
Wave length	365 nm ± 5 nm
UV irradiance (380 mm distance)	40 W/m ² or 4.000 µW/cm ²
UV-illuminated area (380 mm distance)	Ø 300 mm (> 10 W/m ²)
White light component (in UV light)	< 5 lx
Risk class (acc. to EM 06)	2
IP rating (DIN EN 60529)	IP64 (dust-tight / splash-proof)
Illuminant life	> 10,000 hours
Battery set	
Type	21700 lithium-ion
Capacity	5000 mAh / 3.6 V
Operating time (fully charged)	4 h (approx.)
Battery charger	
Power input	Mains cable
Charging time (full charge)	6 h (approx.)

Order Numbers

UV-LED Hand Lamp incl. 2 battery sets, battery charger and carrying case	Order No.: 3817.101
Plug-in power supply unit with lamp connection cable	Order No.: 3817.115
Battery set 2 cells, lithium-ion, 5000 mAh, 3.6 V with protective circuit	Order No.: 3817.110
UV-protective goggles with spectrum transmission curve	Order No.: 6310.001
Lamp holder for UMT testing systems	Order No.: 3817.120
Clamping ring for lamp stand with UNC thread	Order No.: 3817.116
Additional certificates (according to ASTM E3022, AI TM 6-1001 and RRES 90061)	Order No.: 3899.9021

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DIN EN ISO
9001
certified

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