



## HANdcure

### THE MOBILE UV LED HANDSET FOR AREA AND SPOT CURING

The HANdcure is used for UV curing and detection. UV materials such as lacquers, resins and adhesives are increasingly used in areas of production and repair where a high degree of efficiency and quality is required. Due to the possibility of fast, controlled curing, UV technology offers here significant advantages here. Thanks to the high performance and the wide spectral range of 365-420nm in the standard version, the HANdcure can be used for the most diverse applications. These range from car chassis repairs to the bonding of assemblies and electronics and non-destructive testing (NDT). Devices with monochromatic wavelengths for special applications are available on request.

Due to the battery operation, there are no limits to the user's flexibility. Fatigue-free working is always guaranteed by the low total weight of approx. 1kg and the balanced centre of gravity. The irradiation duration can be set on the display.



#### FIELDS OF APPLICATION:

##### INTERCONNECTION OF:

- lacquers, fillers and primers
- adhesives, for immediate fixation
- Casting compounds and resins

##### DETECTION OF:

- component/material defects (NDT)
- Material properties
- Particle contamination

## HANDCURE BENEFITS:

- High performance in a very compact construction
- Lightweight with good handling
- Wireless mobile working
- Long lifetime with about 20.000 h
- No warm-up time
- No heat transfer to the substrate
- Emission spectrum of 365 nm to 415 nm
- Low power consumption and thus a long operation time



Standard delivery contains a HANDcure inclusively battery and charger. A quick charger and batteries with higher capacity are available on request. All components are delivered in one handy tool case.

### TECHNICAL DATA

#### HANDcure

Operating voltage: 15 - 18 VDC

Power consumption: 30 W

Spectral range<sup>1)</sup>: 365 - 415 nm

Opening angle: ca. 90°

Operating temperature: -10°C – +38°C

Weight: 1 kg (2 Ah)- 1,25 kg (5,2 Ah)

#### Batteries

| Capacity | Operating periode | Charging time | Quick charging time <sup>2)</sup> |
|----------|-------------------|---------------|-----------------------------------|
| 2,0 Ah   | 65 min            | 40 min        | 40 min                            |
| 4,0 Ah   | 130 min           | 80 min        | 35 min                            |
| 5,2 Ah   | 170 min           | 100 min       | 45 min                            |

<sup>1)</sup> Alternative wavelengths on request <sup>2)</sup> Values for optional quick charger

#### Charger

Grid connection EUR: 220 – 240 VAC / 50 - 60 Hz

Grid connection USA: 115 VAC / 60 Hz

Power consumption: 85 W

Output: 12 - 42 VDC

Operating temperature: 0°C – +50°C

## WE HAVE THE CURE

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