

HANDcure

The highefficient UV LED system



HANDcure – a mobile UV LED handset for spot and area curing. The HANDcure typically is used in the field of bonding, curing and detection.

UV curing adhesives and resins are used in complex assembly and manufacturing solutions where it depends on a controlled curing and immediate handling strength. Based on the battery-powered electric tools of Nürtingen's specialist Metabo, IST has developed HANDcure. The device has a spectral range from 365 nm to 415 nm and weighs in the basic version just 1,0 kg. With HANDcure a tireless working in various manufacturing processes is ensured.

Applications:

- Detection and inspection of particle contamination
- Detection and inspection of material characteristics
- Interconnection of UV adhesives for immediate fixation
- Interconnection of UV curing potting compounds
- Interconnection of UV curing resins for production of composite fibers
- Interconnection of UV curing primers and putties

Curing parameters and times can be set via timer in the display.



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
- The HANDcure neither contains mercury nor ozone



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.



The device exclusively will be distributed by IST METZ GmbH.

Technical Data

HANDcure

Operating voltage: 15 - 18 VDC
 Power consumption: 30 W
 Spectral range: 365 - 415 nm
 Opening angle: ca. 120°
 Operating temperature: -10°C - +38°C
 Weight: 1 kg (2 Ah)- 1,25 kg (5,2 Ah)

Charger

Grid connection 220 - 240 VAC
 Frequency: 50 - 60 Hz
 Power consumption: 85 W
 Output: 12 - 42 VDC
 Operating temperature: 0°C - +50°C

Batteries

Capacity	Operating period	Charging time	Quick charging time*
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

* Values for optional quick charger

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