



Crimping Line

Portable Micrograph Laboratory Microlab ML 3002

Portable laboratory to prepare crimp cross sections analysis



Microlab ML 3002 in operation

The handy case laboratory **Microlab ML 3002** facilitates the reliable processing of microsections anywhere in the production area without electricity or water connection. It can operate with a fully charged battery for about eight hours and is assembled and ready for use in about 90 seconds!

The proven optical unit with 4x zoom and colour digital camera delivers excellent microsections which can be analyzed comfortably with the innovative **analysis software X-Scan**. The scope of delivery includes all necessary accessories like terminal holder, test pins etc.

Performance features

- Fully equipped micrograph laboratory in a handy case
- In about **90 seconds** ready for operation
- Superior digital colour camera USB 3.0 with CMOS sensor and a resolution of 2592x1944 pixels
- Suitable for small and medium contact sizes from 0.1 to 4mm²
- Short processing time between 3 5 minutes per micrograph
- Battery-powered, no power connection required



Clamped microsection



C-tec Cable technologies GmbH & Co.KG

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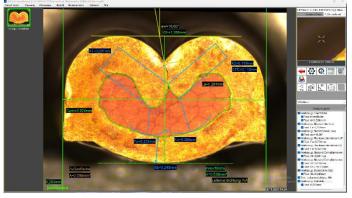
Crimping Line



Polishing liquid free of hazardous substances



ML in rugged case made of HPX High Performance Resin



Analysis software X-Scan

Further performance features

- Fully equipped micrograph laboratory in a handy case
- Flexible usage due to a powerful battery
- Proven zoom objective with 4x zoom
- Dong-life **LED illumination** at the microscope
- Sample holder Screwfix for cross sections up to 4 mm²
- Appropriate tool set for sample preparation
- © Calibration base with measuring scale incl. calibration certificate
- Polishing of the cross section with acid free electrolyte
- No deformation of clamp and cable due to the cutting process
- With comfortable analysis software X-Scan

Technical specification

Type

Power supply

Battery operation

Smallest extension (15" monitor)

Largest extension (15" monitor)

Smallest crimp height for a full screen

Dargest crimp height for a full screen

Measurement resolution µm per pixel

Optical zoom grades

Camera resolution

Camera connection

Object illumination

Fine polishing

Cross section sizes

Recommended temperature

Dimensions (W x D x H)

Weight

ML 3002

230 V / 50 Hz (charging process)

12 V / 1.6 Ah

32x

120x

1.8 mm

7.0 mm

 $2.7~\mu m,~2.1~\mu m,~1.4~\mu m,~1.0~\mu m,~0.8 \mu m,~0.7 \mu m$

0.75 - 1.0 - 1.5 - 2.0 - 2.5 - 3.0

2592x1944 pixels

USB 3.0 port

Long-life LED ring light for true to colour pictures

Electrochemical

0,1mm² - 4mm²

22°C +/- 5°

488 x 386 x 185 mm

14 kg (complete with case)



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