

# PRE-PRESS

GALVANIC | ENGRAVING | CYLINDER CORRECTION | MEASURING DEVICES

## COATING THICKNESS TESTER MINITEST 2500/4500

Order No.: C01-0477



The coating thickness tester Minitest **2500/4500** includes the following **parts**:

- Indicating unit 2500 or 4500 (LCD display) with measuring and control electronics
- FN 1.6 probe for measuring of copper on charger Steel (as an option)
- N 08 Cr probe for measuring of chrome on copper (as an option)
- Calibration foils
- Mains unit with 220 V or 110 V
- NiMH accumulator battery with charger
- Carrying case for the instrument
- Dust protective cover
- Operating manual

For determination the coating thickness of all coatings (except nickel) on ferrous resp. steel and all insulating coatings on non-ferrous metal substrates. The small portable instrument is designed for the fast measuring of copper and chrome coating thickness of rotogravure cylinders.

Measurements are effected either by the magnetic induction or the eddy current method and are non-destructive.

The measurement values are shown on the display in  $\mu\text{m}$ . The measuring range is for the FN 1.6 probe (for copper) 0 - 1600  $\mu\text{m}$  and for N 08 Cr probe (for chrome) 0 - 80  $\mu\text{m}$ .

## HARDNESS TESTER SD-H2

Order No.: C01-0395



For determination of copper respectively chrome hardness of rotogravure weight have the advantage that they are supposed to be non-destructive as cylinders -simple - fast - accurate. Hardness tests in Vickers range of light the lasting surface indentation is microscopically small. Measuring is effected by Vickers penetration procedure by electro acoustic evaluation of the indentation (UCI process). Different instrument adjustments (calibration values, penetration times, tolerance thresholds) for various metals can be stored in the device (e. g. copper, chrome, steel, zinc). A transfer to PC via USB interface for long-term storing is possible on a very easy way. The measuring values and the current average value are shown simultaneously and colored (green = good; red = poor) on the display in Vickers hardness HV. Furthermore, the whole measurement-series (statistic results, single measurement values) can be displayed at a glance.

**The Hardness Tester includes the following parts:**

- Indicating unit with measuring and control electronics with rechargeable accumulator
- Swivelling housing holder an stable unit stand with tooth rack guide
- Measuring probe with connection cable
- Protection sleeve for the measuring probe
- Charger
- Hardness comparison plate with certificate
- Operation manual
- Communication software

## DIGITAL-MIKROSKOP ET MOBILE

Order No.: C01-0243

Mobile measuring microscope for manual cell measurement (length and width of the cells)



## 3D-VOLUME MEASURING SYSTEM

Order No.: C01-8057

Confocal 3D microscope for the measurement of gravure cylinders and anilox rolls (length, width, depth, area, screen and volume of cells). It is also possible to measure the roughness of surfaces (printing cylinders, paper, etc.) as well as measurements on printed structures. Also available as laboratory instrument (C01-8087).

