Aluminium Copper

Conductivity Measurement in Production of Stranded Power Cables

burster

MOBILSENS®
MOTION SENSING

for aluminium cross sections up to 2500 mm²

NEW

- Cut probe measurement of stranded aluminium
- Works for pure or alloy aluminium
- Stranded copper measurement with same clamping device
- Control for foolproof measurement in the production process
- Evaluation and data protocol recording PC software

Retrofit for wire holding device 2382 (water bath) and use of measurement equipment RESISTOMAT® 2304

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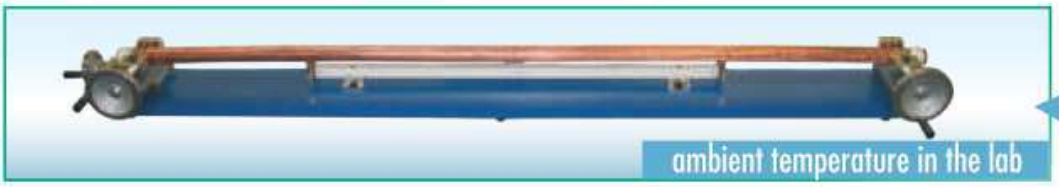
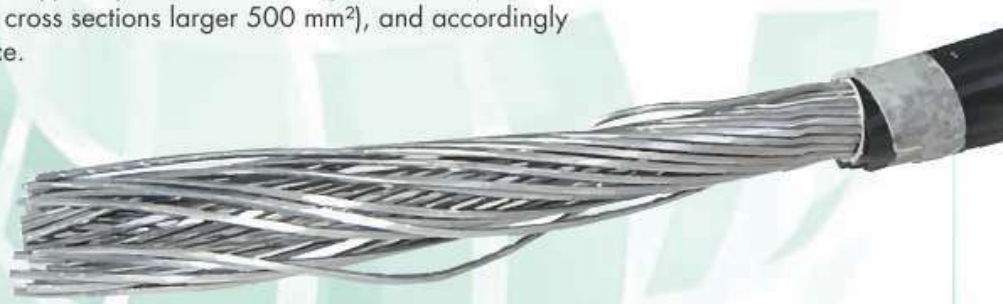
If you only measure **Copper** up to cross sections of 2500 mm², our proven equipment will already give you the most accurate results.



Aluminium

The New Challenge of Measuring Large Cross Section Stranded Probes

- Fast oxidation and bad conductivity between different strands
  ➥ very high magnitude, reproducable and value controlled clamping force needed.
- Even current distribution in conductor requires typically factor of 20 (length/diameter)
  ➥ probe length 3 to 4 meters (typical for cross sections larger 500 mm²), and accordingly requirement for same length clamping device.
- Wire entangling of cut probe
  ➥ device to twist probe back to original condition.



This is why we developed our new wire holding device model 2383. It will work compatible with the measurement equipment RESISTOMAT® 2304, which you might already use. Copper probes can be measured with the same clamping device, and if you already use our waterbath 2382, we can retrofit it. We want to make sure you get the right and most economical equipment.