**TransPol-5**

**Technical Data**

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Cat. no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage supply to transformer</td>
<td>100-240V / 50-60 Hz</td>
</tr>
<tr>
<td>Voltage supply from transformer</td>
<td>30V DC</td>
</tr>
<tr>
<td>Thermal overload protection</td>
<td></td>
</tr>
<tr>
<td>Polishing power</td>
<td>Max. 180 W</td>
</tr>
<tr>
<td>Polishing area</td>
<td>About 9 mm dia</td>
</tr>
<tr>
<td>Dimensions (without shoulder strap)</td>
<td>Width 340 mm / 13.4&quot;</td>
</tr>
<tr>
<td></td>
<td>Height 256 mm / 10&quot;</td>
</tr>
<tr>
<td></td>
<td>Depth 213 mm / 8.4&quot;</td>
</tr>
<tr>
<td>Weight, including battery pack and electrolyte cartridge</td>
<td>8.5 kg / 18.7 lbs</td>
</tr>
<tr>
<td>Weight, battery pack</td>
<td>0.98 kg / 2.1 lbs</td>
</tr>
<tr>
<td>Volume, electrolyte</td>
<td>0.75 l / 1.3 lbs</td>
</tr>
</tbody>
</table>

**Specifications**

- **MovioPol-5**, Portable electrolytic polishing and etching apparatus.
- Battery or mains operation, 30V or 100-240V / 50-60 Hz.
- Complete with electrolyte cartridge, external magnetic anode, shoulder strap, rechargeable battery pack and battery charger. Including 10 pcs polishing chambers.
- Polishing Chambers for MovioPol-5, Flexible type, 50 pcs.
- MovioPol-5 Battery Charger
- Battery charger for MovioPol-5 / TransPol-5
- MovioPol-5 Battery Pack
- Rechargeable battery pack for MovioPol-5 / TransPol-5
- Electrolyte cartridge for MovioPol-5
- Removable electrolyte container for MovioPol-5
- External etching kit for MovioPol-5
- For external etching
- Anode clamping kit for MovioPol-5
- For fixation of anode on non-magnetic materials

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**RepliSet**

**Technical Data**

- Resin for cast replicas: Greater than 1 µm
- Shrinkage: Negligible
- Temperature range of the surface to be examined: 10-60°C
- Setting time for a 40 ml Transcopy Liquid: 10-30 seconds
- 1 pipe tip, spray nozzle and Microscope slides 25 x 75 mm (1" x 3"
- Round base, for PSM-10. For use on flat surfaces.

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**Transcopy Kit**

- Resolution of cured replica: Down to 0.1 micron
- Shrinkage: Negligible
- Tear Strength: 15-20 kN/m
- Temperature range for the surface to be examined: -10°C to +180°C
- Life span of the finished replicas is practically indefinite provided they are stored according to the instructions.
- Content in static-mixing nozzle: 1.1 ml in nozzle for 50 ml cartridge
- 9.3 ml in nozzle for 265 ml cartridge

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**PSM-5 / PSM-10**

**Technical data**

- Power: Battery, 3V (CR2025)
- Battery, 3V (CR2025)
- Height incl. eyepiece: 210 mm / 8.2"
- Diameters: 25-63 mm / 0.98-2.5"
- Weight excl. objective lens: 473 g / 1 lbs
- 1100 g / 2.4 lbs

**Specifications**

- Portable microscope PSM-5
- Portable microscope with battery-powered LED illumination.
- Complete with 10x eyepiece and 10x objective lens.
- Camera option, Camera connection kit, 20x/40x objective lenses, Measuring eyepiece and Plate micrometer are ordered separately.
- Portable microscope PSM-10
- Portable microscope with battery-powered LED illumination.
- Complete with 10x eyepiece and 10x objective lens.
- Camera option, Camera connection kit, 20x/40x/60x objective lenses, Magnetic cross table, Measuring eyepiece and Plate micrometer are ordered separately.

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**Replication system for non-destructive testing of a microstructure or a 3D structure.**

- Two-part silicone rubber compound for flexible high-resolution 3D replicas.
- For the 50 ml system, the hand-operated dispensing gun (4090006) and the static mixing nozzles (40900038) are used in combination with the 50 ml cartridges.
- For the 265 ml system, the hand-operated dispensing gun (4090006S) and the static-mixing nozzles (4090006S) are used in combination with the 265 ml cartridges.