

## TransPol-5

### Technical Data

Voltages		30V or 100-240V / 50-60Hz
Speed		0-20,000 rpm
Dimensions (without shoulder strap)	Width	358 mm / 14"
	Height	202 mm / 7.9"
	Depth	240 mm / 9.4"
Total weight excl. accessories, excl. charger		6.8 kg / 15 lbs

### Specifications

TransPol-5, portable, metallographic grinding/polishing machine with 3 m connection cable. Battery or mains operation, 30V or 100-240V / 50-60Hz. Complete with shoulder strap, rechargeable battery pack, battery charger, reduction gear unit, straight handle, right angle handle, 4 rubber discs. TransPol-5, 30V or 100-240V / 50-60Hz

### Cat. no.

05976104

### TransPol-5 Battery Charger

Battery charger for TransPol-5 / MoviPol-5

05976117

### TransPol-5 Battery Pack

Rechargeable battery pack for TransPol-5 / MoviPol-5

05966204

SiC grinding papers, adhesive, dia. 32 mm, bundle of 100

Grit 60

40400049

Grit 120

40400129

Grit 240

40400130

Grit 500

40400131

DP cloths, adhesive, dia. 32 mm, bundle of 25

DP-Dur

40500040

DP-Dac

40500145

DP-Mol

40500041

DP-Nap

40500042

OP-Felt

40500043

Flapper wheel, 80 grit, 40 mm dia. x 10 mm

40800053

DP-Lubricant Blue, 1 l

40700005

DP-Lubricant, Red, 1 l

40700025

## MoviPol-5

### Technical Data

Voltage supply to transformer		100-240V / 50-60 Hz
Voltage supply from transformer		30V DC
Thermal overload protection		
Polishing power		Max. 180 W
Polishing area		About 9 mm dia
Dimensions	Width	340 mm / 13.4"
	Height	256 mm / 10"
	Depth	213 mm / 8.4"
Weight, including battery pack and electrolyte cartridge		8.5 kg / 18.7 lbs
Weight, battery pack		0.98 kg / 2 lbs
Volume, electrolyte		0.75 l / 1.3 lbs

### Specifications

MoviPol-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.

05966104

Polishing Chambers for MoviPol-5, Flexible type, 50 pcs.

03926904

### MoviPol-5 Battery Charger

Battery charger for MoviPol-5 / TransPol-5

05976117

### MoviPol-5 Battery Pack

Rechargeable battery pack for MoviPol-5 / TransPol-5

05966204

Electrolyte cartridge for MoviPol-5

Removable electrolyte container for MoviPol-5

05966030

External etching kit for MoviPol-5

For external etching

05966903

Anode clamping kit for MoviPol-5

For fixation of anode on non-magnetic materials

05966902

## PSM-5 / PSM-10

### Technical data

	PSM-5	PSM-10
Power	Battery, 3V (CR2025)	Battery, 3V (CR2025)
Height incl. eyepiece	210 mm / 8.2"	220 mm / 8.7"
Diameters	25-63 mm / 0.98-2.5"	25-70 mm / 0.98-2.8"
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.

04286102

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.

04286103

Objective lens 20x, for PSM-5/-10

Objective lens, 20x magnification. For use with PSM-5/-10.

04286910

Objective lens 40x, for PSM-5/-10

Objective lens, 40x magnification. For use with PSM-5/-10.

04286911

Objective lens 60x, for PSM-10

Objective lens, 60x magnification. For use with PSM-10.

04286912

Magnetic cross table, for PSM-10

XY-table with magnetic clamping for PSM-10.

Suitable for inspection of ferrous tubes.

04286913

Measuring eyepiece, for PSM-5/-10

Measuring eyepiece with micrometer scale for PSM-5/-10.

Plate micrometer (04286915) is used for initial calibration.

04286914

Plate micrometer, for PSM-5/-10

Plate micrometer with micrometer scale for PSM-5/-10.

Used with Measuring eyepiece (04286914) for initial calibration.

04286915

Tripod base, for PSM-10. For curved surfaces.

04286918

Digital camera with C-mount, for use with PSM-2/-5/-10. Includes adapter for 23 mm eyepiece, adapter for MoviPol battery pack, AC-adaptor, 12V battery pack, 2 GB SD-card, remote shutter and transport case.

04286919

Round base, for PSM-10. For use on flat surfaces.

04286920

## Transcopy

### Transcopy Kit

Resolution of cured replica:	Better than 1 µm
Shrinkage:	Negligible
Temperature range of the surface to be examined:	10-60°C.

Set consisting of 40 ml Transcopy Liquid, 50 replica foils 20 x 30 mm (0.8" x 1.2"),

1 pipette, spray nozzle and 50 microscope slides 25 x 75 mm (1" x 3")

40900090

Transcopy Replica Foils, 50 pcs.

40900091

Transcopy Liquid, 40 ml

40900092

## RepliSet

### Technical Data

Resolution of cured replica	Down to 0.1 micron
Shrinkage	Negligible
Tear Strength	15-20 kN/m <sup>2</sup>
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

### Specifications

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

Fast curing two-part silicon rubber compound for flexible high-resolution 3D replicas.

For the 50 ml system, the hand-operated dispensing gun (40900066) and the static

mixing nozzles (40900088) are used in combination with the 50 ml cartridges.

For the 265 ml system, the hand-operated dispensing gun (40900065) and the

static-mixing nozzles (40900056) are used in combination with the 265 ml cartridges

