

LectroPol-5		
Polishing power	Polishing power	Max. 600 W (100 V/6 A)
	Etching power	Max. 150 W (25 V/6 A)
	External etching power	Max. 22.5 W (15V/1.5 A)
Polishing Voltage/Current	Polishing	0-100 V (1 V steps)/6 A
	Etching	0-25 V (0.5 V steps)/6 A
	External etching	0-15 V (0.5 V steps)/1.5 A
Polishing Zone	Max sample height	40 mm (1.6") (100 mm with extension arm)
	Max sample diameter	app. 10 cm (3.9")
	Max polishing area	5 cm ² (0.35")
Database	Struers methods	10
	User defined methods	20
Operation environment	Surrounding temperature	5-40°C (41-104°F)
	Electrolyte temperature	-50-40°C (-58-104°F) (below zero only with Low Temp. Pol. Unit)
	Humidity	35-85% RH non-condensing
Storage and transport conditions	Surrounding temperature	0-40°C (32-140°F)
	Humidity	0-95% RH non-condensing
Power supply	Voltage (with selector)	100-120 V (50-60 Hz) 220-240 V (50-60 Hz)
	Internal fuse	2x10 AT 250 V, 6,3x32 mm (0,25"x1.26")
	Power, inlet	1-phase (N+L1+PE) or 2-phase (L1+L2+PE) The electrical installation must comply with Installation Category II
	Current, maximum load	9.8 A at 100-120 V 4.9 A at 220-240 V
Safety Circuit Categories/Performance Level	Work zone interlock	EN 60204-1, Stop category 0 EN ISO 13849-1, Category 1 PL c
Residual Current Circuit Breaker (RCCB)		Type A, 30 mA (or better) is recommended

TECHNICAL DATA

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Cooling supply (For Polishing Table)	Pressure, tap water	1-9.9 bar (14.5-143 psi)
	Water inlet	Diameter: G 3/4" (3/4" BSP)
	Water outlet	Hose diameter: OD 8/ID 4 mm (OD 0.3"/ID 0.2") - no back pressure
	Cooling pipe diameter - Low temp. Unit	Diameter: OD 6/ID 4 mm (OD 0.24"/ID 0.2")
Safety StandardsSafety standards		CE-labeled according to EU directives
REACH		For information about REACH, contact your local Struers office.
Noise level	A-weighted sound emission pressure level at workstations	LpA = 55.4 dB(A) (measured value). Uncertainty K = 4 dB. Measurements made in accordance with EN ISO 11202
Vibration level	Declared vibration emission	N/A
Dimensions and weight - Control Unit	Width	38.5 cm (15.2")
	Depth	35 cm (13.8")
	Height	16 cm (6.3")
	Weight	18 kg (40 lbs)
Dimensions and weight - Polishing Unit	Width	23.5 cm (9.3")
	Depth	37 cm (14.6")
	Height	34.5 cm (13.6")
	Length - connection cable	2 m (6.5 ft)
	Weight - Polishing Unit	6.3 kg (14 lbs)
	Max. volume - Electrolyte container	750 ml (25.4 oz)