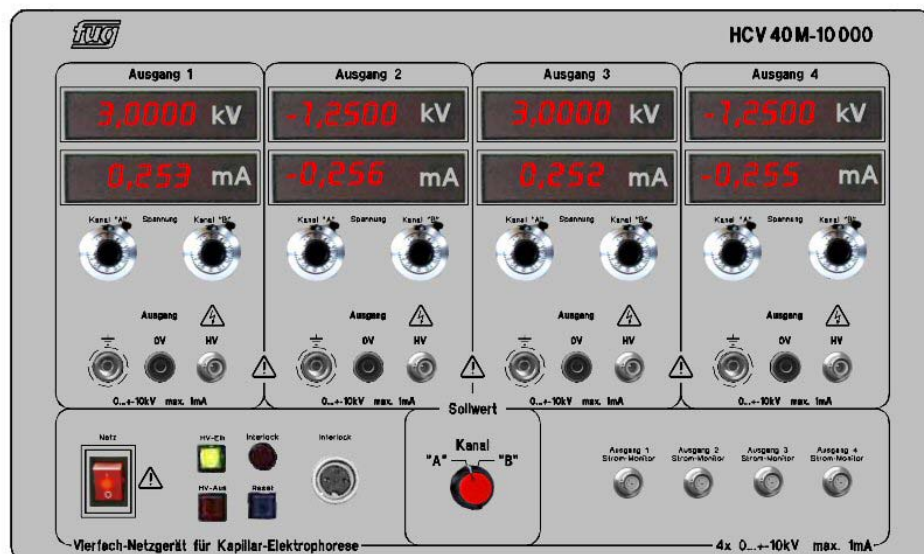


Fourfold High Voltage Power Supply HCV 40M - 10000



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**Low and High Voltage
Power Supplies**

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The unit delivers four distinct output voltages for capillary electrophoresis with each two independently adjustable and switchable set points.

Features:

Two sets of output voltages (channels "A" and "B") can be provided, while every time one of the sets is active at the outputs. The setting is made by means of two 10 turn potentiometers ("A" and "B") whose adjustment ranges corresponds to -10 kV till +10 kV for each of the outputs. The channels "A" and "B" can be changed by means of a switch. On switching over, within less than 100ms the new voltage value will appear at the outputs. Changes of the settings of the Potentiometer of the respectively not active channel don't have influence on the output voltages. Reverse voltage, which may appear at the outputs, will be regulated down actively, where every output can take up to 1 mA of return current.

Controls:

- 8 ten turn potentiometers for the adjustment of voltage (potential) and current
- 5 digit DVM for voltage
- 4 digit DVM for current
- Selection switch "A" "B"
- Interlock connector : With the opening of an external interlock loop (e. g. by door contacts) the high voltage modules will be switched off.
- 4 BNC-sockets for exact current measurement
- Analogue programming for 4 output channels

Technical Data:

Mains:	230 V $\pm 10\%$, 47 - 63 Hz
Output	
Voltage:	4x 0 - ± 10 kV
Voltage set points:	two settings selectable
Current:	4x max. ± 1 mA
Regulation deviation:	$< \pm 1 \times 10^{-5}$ at $\pm 5\%$ variation of mains voltage $< \pm 1 \times 10^{-5}$ at load change from 10% to 100% (at nominal voltage)
Voltage stability:	typ. $< \pm 1 \times 10^{-5}$ / h of nominal value typ. $< \pm 2 \times 10^{-5}$ / 8h of nominal value
Tc:	$< \pm 2,5 \times 10^{-5}$ / K
Residual ripple:	$< 1 \times 10^{-5}$ of nominal value p.- p.

Design:

19" table top case, 3 units high (177 mm), 350 mm deep

Application:

Capillary electrophoresis

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