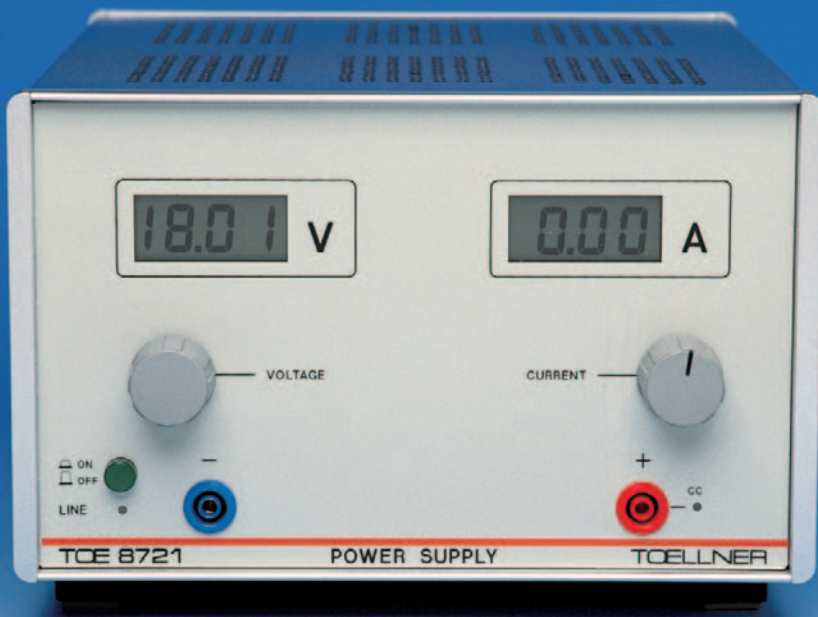


Low-cost compact power supplies from TOELLNER® up to 150 W

TOE 8721 / TOE 8722



The low-price compact power supplies from the TOE 8721 series

are suitable for general laboratory purposes as well as for loads with a pulsed current consumption.

The TOE 8721-2, 8721-3 and 8721-4 versions additionally enable a current consumption increased by up to 50 % for approx. 15 minutes. As a result of the delayed current limiting function, current pulses can be drawn from these models up to several times the rated current for several ms.

The output voltage and output current are indicated on highly precise 3½-digit LCDs. The output voltage is set using a high-resolution 10-turn potentiometer.

The practice-oriented dual-output power supplies of the TOE 8722 series have output powers of 72 W.

The outputs are independent of one another; the voltages are adjusted using precision 10-turn potentiometers and the currents using stable single-turn potentiometers. Two selectable 3½-digit LCDs indicate the output values.

Ordering data:

Power supply	TOE 8721-X
Power supply	TOE 8722-X

- ❖ Single-output and dual-output power supplies
- ❖ Low-price compact power supplies
- ❖ Output rating up to 150 W
- ❖ Precise 3½-digit LCDs for current and voltage

Specifications

Compact power supplies from TOELLNER®

TOE 8721 / TOE 8722

Model TOE	8721-1	8721-2	8721-3	8721-4	8722-1	8722-2	8722-3
Outputs	1	1	1	1	2	2	2
Voltage	0 ... 36 V	0 ... 10 V	0 ... 18 V	0 ... 36 V	2 x 0 ... 18 V	2 x 0 ... 36 V	2 x 0 ... 24 V
Current	0 ... 2 A	0 ... 10 A	0 ... 8 A	0 ... 4 A	2 x 0 ... 2 A	2 x 0 ... 1 A	2 x 0 ... 1.5 A
Output power	72 W	100 W	144 W	144 W	72 W	72 W	72 W
Display	digital	digital	digital	digital	digital	digital	digital
Constant voltage mode Adjustment using 10-turn potentiometer; resolution	0.02 %	0.02 %	0.02 %	0.02 %	0.02 %	0.02 %	0.02 %
Voltage regulation With change in load 0 - 100 %	0.05 %	0.02 %	0.05 %	0.05 %	0.02 %	0.02 %	0.02 %
With change in mains voltage ± 10 %	10^{-4}	10^{-4}	10^{-4}	10^{-4}	10^{-4}	10^{-4}	10^{-4}
With change in temperature	$10^{-4}/K$	$10^{-4}/K$	$10^{-4}/K$	$10^{-4}/K$	$10^{-4}/K$	$10^{-4}/K$	$10^{-4}/K$
Residual ripple V_{rms}	0.2 mV	0.2 mV	0.2 mV	0.2 mV	0.2 mV	0.2 mV	0.2 mV
Drift within 8 hours	0.02 %	0.02 %	0.02	0.02 %	0.02 %	0.02 %	0.02 %
Regulation time for a load transition from 20 to 100 % and setting to within 0.1 % of rated voltage	100 μ s	100 μ s	100 μ s	100 μ s	50 μ s	50 μ s	50 μ s
Constant current mode Adjustment using single-turn potentiometer; resolution	0.5 %	0.5 %	0.5 %	0.5 %	0.5 %	0.5 %	0.5 %
Current regulation With change in load 0 - 100 %	0.02 %	0.02 %	0.02 %	0.02 %	0.02 %	0.02 %	0.02 %
With change in mains voltage ± 10 %	10^{-4}	10^{-4}	10^{-4}	10^{-4}	10^{-4}	10^{-4}	10^{-4}
With change in temperature	$10^{-3}/K$	$10^{-3}/K$	$10^{-3}/K$	$10^{-3}/K$	$10^{-3}/K$	$10^{-3}/K$	$10^{-3}/K$
Residual ripple I_{rms}	0.5 mA	3 mA	3 mA	2 mA	0.2 mA	0.2 mA	0.2 mA
Drift within 8 hours	0.2 %	0.2 %	0.2 %	0.2 %	0.2 %	0.2 %	0.2 %
Current consumption (A) at 230 V / 50 Hz	0.8	1.4	1.4	1.4	0.8	0.8	0.8
Weight	5.5 kg	8.0 kg	8.0 kg	8.0 kg	5.5 kg	5.5 kg	5.5 kg

Mains voltage: 115/230 V ± 10 %, 48 - 60 Hz, operating temperature: 0 - 40 °C, housing: metal