

THQ

CONFIGURABLE AC/DC LABORATORY HV SUPPLY

Out: 500 V - 30 kV | 10 W | In: 24V DC | Ripple: $\text{typ.} < 2 \cdot 10^{-5} \cdot V_{\text{nom}}$



THQ

AIO

DIO

CUSTOM

- ▶ 1 and 2 channel desktop version, 1-3 channel 19" rack version
- ▶ can be equipped with CPS, DPS or EPS modules
- ▶ common USB or analog interface per channel
- ▶ cost efficient and flexible
- ▶ LCD and front panel operation
- ▶ 500 V - 30 kV / up to 150W per channel
- ▶ high precision / very low ripple and noise (with DPS)

The inexpensive and robust desktop high voltage power supplies are equipped with proven high voltage modules of the CPS, DPS and EPS series.

The units are available with either 1, 2 or 3 high voltage channels in many variations and combinations. The output voltage is controlled via the 10-turn potentiometer, the USB interface or the analog I/O. Output voltage and current is displayed on a 2 line LCD per channel, located on the front panel.

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19" THQ device equipped with three DPS high voltage modules

SPECIFICATIONS / SPEZIFIKATION

	THQ DESKTOP	THQ 19"
Converter specs.	refer technical data CPS / DPS / EPS	
Channels	1/2	1-3
Display	2 line - 4 digit LCD per channel	
Interfaces	USB, AIO per channel	
HV connector *	SHV LEMO CABLE	
Protection	overload and short circuit protected, INHIBIT	
Case	desktop case	19" rack mountable
Dimensions (L/W/H)	275/300/80 mm	305 mm / 19" / 2U
Supply	100 to 240 VAC / 50/60 Hz; fused with 2 A-slow	
(*) depends on module configuration		

CONFIGURATIONS / KONFIGURATIONEN

MODEL	CASE	CHANNELS	MAX. OUTPUT VOLTAGE
T1x	Desktop	1	30 kV
T1x_2HE	19"	1	30 kV
T2x	Desktop	2	15 kV
T2x_2HE	19"	2	30 kV
T3x_2HE	19"	3	30 kV

ORDER & OPTIONS / BESTELLINFORMATIONEN

OPTION	ORDER INFO	EXAMPLE
Module type	CPS/DPS/EPS: x = CP/DP/EP	T2CP 150n (THQ with 2 CPS 15 kV negative channels) T2CP 150n DP 50p (1ch CPS 15 kV neg. / 1 ch 5kV DPS pos.)
19" version	2HE	

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iseg is a manufacturer of very precise and stable High Voltage Power Supplies with focus on physics and industrial applications. The product portfolio includes AC/ DC, DC/DC and modular High Voltage systems. The company was founded in 1995. Continuous growth and innovation strengthened the company's market position. **iseg** is well known for the development of outstanding custom specific solutions for various special applications.