iseg
HIGH VOLTAGE. EXACTLY.

# THQ

## CONFIGURABLE AC/DC LABORATORY HV SUPPLY

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

AC/DC

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.

# THQ

## CONFIGURABLE AC/DC LABORATORY HV SUPPLY

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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 delevop-ment of outstanding custom specific solutions for various special applications.