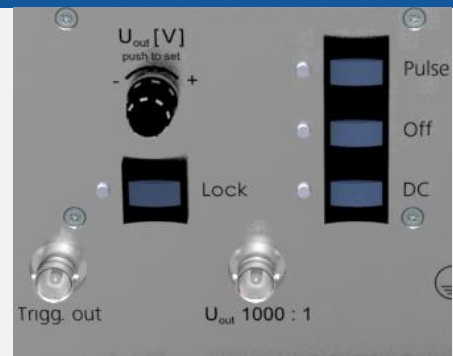


HV Probe-Calibrator

KHT6000C



- ▶ Output pulse voltage 500 ... 6000V (adjustable in 1V steps)
- ▶ Risetime <45ns
- ▶ Digital voltage display
- ▶ Suitable for dividers / probes up to 10000:1
- ▶ Control via PC interface USB, IEEE as option
- ▶ Control via Manual remote control unit as option

Operating Principle

The calibrator KHT6000C is used for HF and DC calibration of high-voltage probes and dividers up to 10000:1. Furthermore, it can be used for their calibration. The unit generates steep-edged, square-wave voltages up to 6kV.

The output voltage, which can be set from 0.5 to 6kV (1V steps), is displayed digitally. It can be fully calibrated and thus meets the

requirements of ISO 9000 ff for complete monitoring of test equipment.

Interface:

USB-interface (option: IEEE-interface) enables adjustment of pulse width, repetition frequency (single pulse up to 100Hz), pulse voltage and DC-voltage continuously.

Technical Data

KHT6000C

High voltage

- Output voltage 500 ... 6000V (adjustable in 1V steps)
- Accuracy pulse voltage $\pm 0,1\%$
- Resolution of voltage monitoring 1V
- Accuracy of voltage monitoring $\pm (0.1\% + 1\text{Digit})$

Output signal

- Rise time <45ns
- Overshoot < 2%
- Repetition frequency 1Hz
- Pulse width 1ms
- Capacitive load (max.) 100pF

Trigger

- Trigger output (50 Ω) 10V
- Internal resistance 50 Ω
- Trigger pulse width 10 μ s

General data

- Ambient temperature +5 ... +55°C
- Power supply voltage 90 - 250V AC/50 - 60 Hz
- Dimensions ca. 250 x 140 x 395mm
- Weight 3200g