

# Capacitance, Dissipation Factor and Voltage Standard 12 kV

## Type TG-UCAL



- Build in ultra stable Standard Capacitor 1'000pF
- $\tan\delta$  values: 0.00%, 0.10%, 0.20%, 0.50%, 1.00%, 2.00%, 5.00%
- removable control unit
- for capacitance,  $\tan\delta$  and voltage calibrations with 50Hz or with 60Hz
- very low measuring uncertainty
- including compartment with all cables
- easy transportable

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**Technical Specifications**

Nominal value of $C_H$	1000 pF $\pm$ 5% $\pm$ 30ppm/K
Uncertainty of the stated $C_H$ value	+/- 0.02 %
Rated voltage	12 kV AC <sub>peak</sub> / $\sqrt{2}$
Test voltage	14.4 kV AC peak/ $\sqrt{2}$ / 1min.
Uncertainty test voltage measurement	$\pm$ 0.5 % of reading $\pm$ 2 digit
Frequencies	50 or 60 Hz
tan $\delta$ values	0.00%, 0.10%, 0.20%, 0.50%, 1.00%, 2.00%, 5.00%
uncertainty of selected tan $\delta$	$\pm$ 0.5 % $\pm$ 5 x 10 <sup>-5</sup>
Input contact	Brass Contact-ring
Output	LEMO 3 connector and Clamp
Mains supply	90 V ... 260 VAC, 50/60Hz
Dimensions and weight	
Length	483 mm
Width	366 mm
Height	375 mm
Weight	approx. 22 kg

**Reference conditions**

according to standard IEC 359

Temperature	23°C $\pm$ 2°C
Humidity, not condensing	45 ... 75%
Barometric pressure	101.3 kP

**Rated range of use**

according to standard IEC 359

Temperature	5 °C ... 40 °C
Humidity, not condensing	45 ... 75%
Barometric pressure	70 ... 106 kPa

**Scope of supply**

Power chord

Two earth cables with lugs, 5m

25 pole connection cable 25P HV-Unit → Control Unit

Lemo measuring cable blue, 5m

Two jumpers

