

# 3730

Reference Capacitor for  
tan  $\delta$  measuring bridges  
functional check

*Datasheet*



# HAEFELY

Current and voltage – our passion

Designed by



# General Description

The 3730 is a compactly designed 12 kV SF6 reference capacitor with seven calibrated, manually selectable values of tan delta (power factors)

Tan d (power factor) value selection is done by a rotary switch.

A fast functional check of capacitance and tan delta bridges like MIDAS 2881 or MIDAS micro 2883 among others is possible.

Features	Advantages
▪ LEMO and BNC connections available	☑ Flexible connection to the measuring bridge
▪ Seven calibrated tan $\delta$ (power factor) values	☑ Allows for a complete range check
▪ Selection of calibrated values and comparison with the measuring bridge readings	☑ Offers a fast functional check for tan $\delta$
▪ Delivered in a carrying case	☑ Convenient for functional check of mobile measuring bridges
▪ Wide temperature and humidity range	☑ Stable and reliable ceaseless operation

# Applications

Fast functional check of capacitance and tan  $\delta$  bridges such as;

- MIDAS 2881
- MIDAS micro 2883 and others

# Scope of Supply

- Nominal capacitor in a carrying case with seven calibrated tan  $\delta$  (power factor) values.
- Test certificate.

# Accessories

Lemo-Lemo/Blue/10 Lemo measuring cable (10 m)

## Technical Data

Measurement	
Voltage	12 kV
Capacitance	100 pF + 5 %
Nominal $\tan \delta$ (50 Hz) <sup>(1)(2)</sup>	$<1 \times 10^{-5}$ ; $5 \times 10^{-5}$ ; $1 \times 10^{-4}$ ; $5 \times 10^{-4}$ ; $1 \times 10^{-3}$ ; $5 \times 10^{-3}$ ; $1 \times 10^{-2}$
Test Certificate values accuracy	+ 2 x 10 <sup>-5</sup> + 0.5 % r.d

**(1)Nominal values, exact values will be within 15 % difference and delivered in the test certificate**

**(2)60 Hz  $\tan \delta$  will be 20 % higher**

Environmental	
Operating temperature	10 °C +40 °C
Humidity	5 % .. 95 % r.h. , non-condensing

Mechanical	
Dimensions (W x D x H)	180 x 140 x 270 mm (7 x 5.5 x 10 in)
Weight	2.8 kg (6.17 lb)

## Global Presence

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HIGH VOLTAGE



INSTRUMENTS



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