3730

Reference Capacitor for tan δ measuring bridges functional check

Datasheet



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Current and voltage – our passion

Designed by Tettex

General Description

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

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

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

Features	Advantages
▪ LEMO and BNC connections available	☑ Flexible connection to the measuring bridge
▪ Seven calibrated tan δ (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 δ
▪ 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 δ bridges such as;

- MIDAS 2881
- MIDAS micro 2883 and others

Scope of Supply

- Nominal capacitor in a carrying case with seven calibrated tan δ (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 δ (50 Hz)(1)(2)	<1 x 10^{-5} ; 5 x 10^{-5} ; 1 x 10^{-4} ; 5 x 10^{-4}; 1 x 10^{-3} ; 5 x 10^{-3} ; 1 x 10^{-2}
Test Certificate values accuracy	+ 2 x 10^{-5} + 0.5 % r.d

(1)Nominal values, exact values will be within 15 % difference and delivered in the test certificate
(2)60 Hz tan δ 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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