

CA6210D-1-1000

Dissipation Factor
and Capacitance Standard



Dissipation Factor and Capacitance Standard
CA6210D-1-1000 is designed for High Voltage Capacitance Bridge and insulation testers calibration. It can be applied for traceability of electric capacitance and $\tan \delta$ values

FEATURES AND BENEFITS

- High accuracy
- Operating voltage up to 1 kV, 50 Hz
- Nominal $\tan \delta$: $1 \cdot 10^{-4}$; $1 \cdot 10^{-3}$; $1 \cdot 10^{-2}$; $1 \cdot 10^{-1}$
- Nominal capacitance: 1000 pF
- High stability in the range of operating temperatures
- Built-in platinum resistive temperature sensor PT100 to provide temperature correction of Standards capacitance

APPLICATIONS

- Calibration laboratories
- Metrology institutes

TECHNICAL SPECIFICATIONS

Specification	Value
Nominal capacitance	1000 pF
Capacitance accuracy	$\pm 0,05 \%$
Nominal $\tan \delta^*$	$1 \cdot 10^{-4}; 1 \cdot 10^{-3}; 1 \cdot 10^{-2}; 1 \cdot 10^{-1}$
$\tan \delta$ accuracy	$\pm (3 \cdot 10^{-5} + 0,002 \cdot \tan \delta)$
Limits of allowable relative change of capacitance depending on the applied voltage in the range to 1 kV	$\pm 0,05 \%$
Limits of allowable absolute change of $\tan \delta$ depending on the applied voltage in the range to 1 kV	$\pm 3 \cdot 10^{-5}$
Voltage	1 kV
Frequency	50 Hz

*Nominal values, exact values will be within 10% difference and delivered in the passport.

Operating temperature	15...30 °C
Relative humidity	up to 80 % non-condensing
Size (W × H × D)	175 × 85 × 200 mm
Weight, less than	1,5 kg

ORDERING INFORMATION

Scope of supply

The following items are supplied with the standard CA6210D-1-1000 modification:

No	Item	Part no.
1	Dissipation Factor and Capacitance Standard CA6210D-1-1000	411634.036
2	Operating manual	411634.036 OM
3	Bag	323382.040



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Development and production
of measurement devices

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