

CA6210D-1-1000

Capacitance and $\tan\delta$ Standard



Capacitance and $\tan\delta$ 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

Name	Value
Nominal Capacitance	1000 pF
Capacitance accuracy	± 0,05 %
Nominal tanδ*	1·10 ⁻⁴ , 1·10 ⁻³ , 1·10 ⁻² , 1·10 ⁻¹
tanδ accuracy	± (3·10 ⁻⁵ + 0,002·tgδ)
Limits of allowable relative change of capacitance depending on the applied voltage in the range to 1 kV	± 0,05 %
Limits of allowable absolute change of tanδ depending on the applied voltage in the range to 1 kV	± 3·10 ⁻⁵
Voltage	1 kV
Frequency	50 Hz

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

Operating conditions:

Temperature range	15...30 °C
Relative Humidity	up to 80 % non-condensing
Size (DxWxH), max	135 × 100 × 65 mm
Weight, max	0,55 kg

ORDERING INFORMATION

Scope of supply

No	Item Name	Part no.
1	Capacitance and tanδ Standard CA6210D-1-1000	411634.036
2	Operating manual	411634.036 OM
3	Package bag	323382.040



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Development and production
of measurement devices

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