

# STANDARD CAPACITOR

## Description :

Etel standard capacitors are extremely stable, low-loss capacitors designed for use in laboratories and testing departments. The model is of three terminal design and is insulated with pressurised Sulphur Hexafluoride (SF6) gas.



## Application :

The compressed gas capacitor has become indispensable as a reference standard in bridge circuits such as for Capacitance and Dissipation factor (C & DF) measurements. Standard capacitors are also used as voltage dividers for precision measurement of AC voltages, including peak and surge values, and for use when measuring the errors of Voltage Transformers.

## Specification :

Model Number	SC15100	SC15200	SC151000	SC33100	SC33200
Rated Voltage (rms)	15 kV	15 kV	15 kV	33 kV	33 kV
Test Voltage (rms)	18 kV	18 kV	18 kV	36 kV	36 kV
Nominal Capacitance	100 pF	200 pF	1000 pF	100 pF	200 pF
Tolerance of measured value	1%	1%	1%	1%	1%
Dissipation Factor	$<10^{-4}$	$<10^{-4}$	$<10^{-4}$	$<10^{-4}$	$<10^{-4}$
Partial Discharge	$<10$ pc	$<10$ pc	$<10$ pc	$<10$ pc	$<10$ pc
Gas pressure	30 PSI	30 PSI	30 PSI	30 PSI	30 PSI
Design	Parallel plate	Parallel plate	Parallel plate	Parallel plate	Parallel plat
Height	550mm	550mm	550mm	550mm	550mm
Weight Approx.	12 kg	14 kg	20 kg	13 kg	15 kg



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Etel Industries – Calibration Laboratory (including on-site calibrations) is NABL-ACCREDITED in electro-technical discipline in accordance to ISO/ IEC:17025/2005.

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(Specifications subject to change without notice)