

SWITCHGEAR CONTROL & MONITORING SYSTEM (SCMS)



Typical Switchgear Room

Control and Status signal + Current & Voltage measurements will be connected to Breaker Controller (BC). All Breaker Controllers in each cubicle will be interconnected by Fiber Optic cable and last BC will be connected to Main Controller by Fiber Optic Cable to Computer via Optical Converter to USB standard protocol



Expanded view of **Breaker Controller** located inside Switchgear Local Control Cubicle with connection of Fiber Optic Terminations.

Fiber Optic Connection (Max. **2km** length)



**Main Controller** with Optical to USB Converter



Breakers can be switched ON / OFF easily even with touch screen provision

## Product Description :

The STC-100S is designed to Control and Monitor Switchgear operations with measurements of Voltage and Currents. This is very useful for operations of remotely or multi storied located Switchgear via use of Computer.

- ON / OFF Control of each breaker / isolator / earth switches with interlocks provision
- Monitors the status of breaker / isolator / earth switches with indication on computer screen
- Measurement of Current, Voltage and KVA with indication on computer screen
- Eliminates high cost vendor dependency by use of small and ready to use package
- Can be used for automatic changeover of feeder operation for particular load or programmed time
- Most useful for operation of switchgear for upto 10 feeders among many feeders
- Saves time & cost of installation and commissioning as it is ready to use package

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## Features & Benefits :

- Very fast data scanning
- Log of events and Voltage / Current reports are easily available on computer
- Saves time of operator to travel long distance
- Automatic changeover operation guarantees the reliability of operations
- Most useful where the switchgear units are distributed within large plant e.g. steel, car, paper, cement, mining
- Very useful for unattended switchgear systems
- Separate Event Recorder and Fault Monitoring Systems can be eliminated
- Computer provides all graphs and event recording of the state of feeders
- No maintenance of Switchgear Control and Monitoring System
- Easy to carry calibration of the system with provisions in software
- Provision for Maintenance schedules using Computer
- Provision of Local Alarm with Enable/Disable selection via Computer
- Easy operation under real emergency systems or convenient operations

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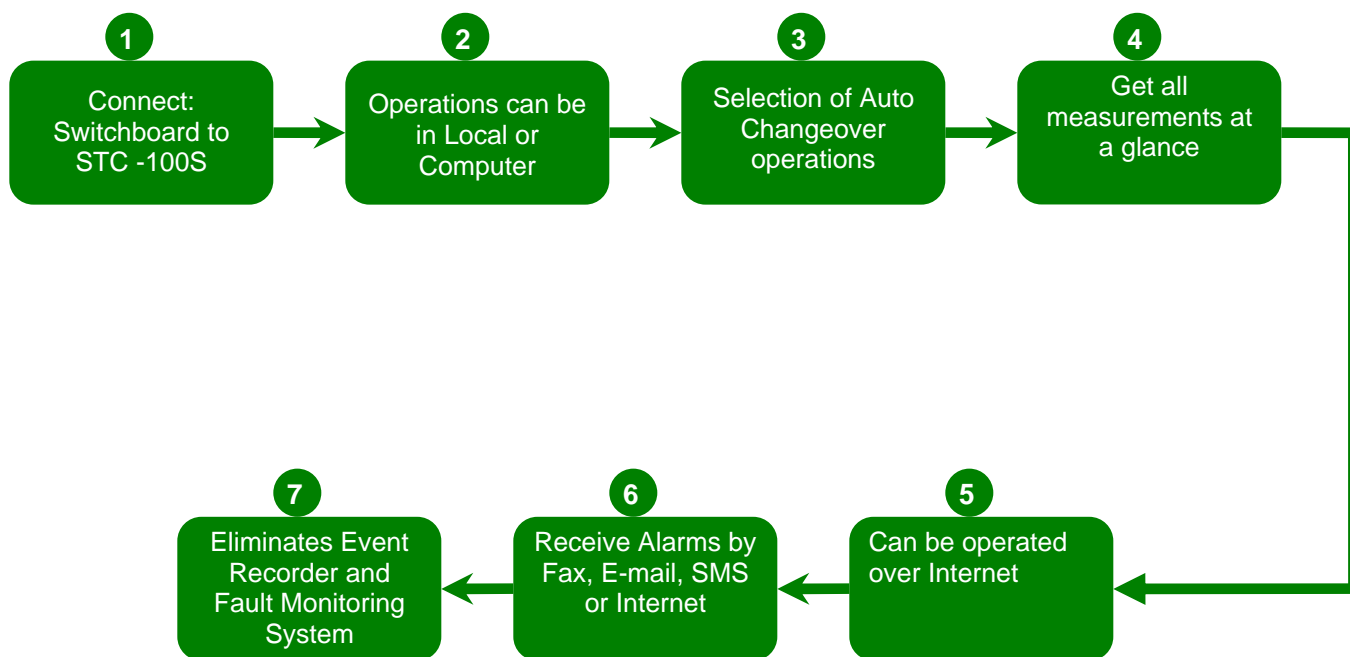
## What It Comes With :

- STC -100S system software CD
- Breaker Controllers depending on number of feeders to be operated (Max. 10 feeders for each switchgear unit)
- Main Controller associated with Optical to USB converter
- Bunch of Fiber Optic Cables and all necessary accessories
- Instruction Manual
- 1 year warranty

## SWITCHGEAR CONTROL &amp; MONITORING SYSTEM (SCMS)

Specifications :

Entire Assembly	Sturdy
Computer Control	USB protocol
Electrical Isolation for safety	2500V (Optical)
Switchgear Voltage levels	MV to HV
Power Supply to Breaker Controller	110Vdc or 220Vdc
Power Supply to Main Controller	110Vac or 230Vac adapter with 9Vac output
Interlocks provision	Software control
Touch screen facility	Optional
Connectivity of multiple switchboards	Use 1 computer with multiscreen tabs
Accuracy of measurements	2% or better (95% readings give 1% or better)
Ambient Temperature	0° - 55° C
Humidity	0 – 80%

**Operational Sequence****“Automated SCMS Made Switchgear Operations Effortless & Errorless in Ready to use cost effective package”****Contact Us**

**This describes few features & capabilities only of what the STC-100S has to offer.  
Enquire to find out more today !**

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## SWITCHGEAR CONTROL &amp; MONITORING SYSTEM (SCMS)

Options :

<b>Systems</b>	<b>STC-100S</b>	<b>STC-100S+</b>
Total System without touch screen	✓	x
Total System with touch screen	x	✓

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**Note :**

We reserve the rights to make any kind of design, specifications or functional modifications at any moment without prior notice.