

SMART TRANSFORMER MONITORING SYSTEM



REAL-TIME ONLINE ALERT
& MONITORING SYSTEM.



QTC CARE : 24/7



FIT FOR ALL TYPE OF
TRANSFORMER.



SAVE COSTS AND TIME
FOR MAINTENANCE.



KEY FEATURES

- Real time online monitoring
- Data record on cloud
- Real-time alert
- Auto GPS Location
- Monitoring report
- Peak History

ONLINE MONITORING FUNCTIONS

- Voltage
- Current
- Unbalance Voltage
- Unbalance Current
- Power (kVA, kW, kVAR)
- Top Oil temperature
- Pressure (Optional)
- Oil level (Optional)
- Event Log
- Service History
- Service Report

ALERT FUNCTIONS

- Available on Application and E-mail
- Unbalance Voltage
- Over Voltage
- Under Voltage
- Unbalance Current
- Over Current
- Top Oil temperature
- Under Oil Level
- Over Pressure

ONLINE MONITORING DISPLAY



ALERT ON APPLICATION

ONLINE

CLOUD

24



GPS LOCATION



TECHNICAL SPECIFICATION SMART MONITORING BOX (SMB)

Physical

Dimension	L 300mm x W 150 mm x H 650 mm
Weight	4 kg
Protection Degree	IP55

Electrical

Working Voltage	3 Phase (with neutral) 150 to 450 Vrms 50/60 Hz
Power Consume	10 VA
Working Temperature	0°C to 55°C
Humidity resistance	90% non-condensing

Electrical Measurements

Phase voltage	0.0 to 265.0 V (scaling : PT ratio 1 to 200)
Line current	0-5 A (scaling : CT ratio 40/5A to 6000/5A)
Power quantity	Appearance power (kVA), Active power (kW), Reactive power (kVAR)
Power quality	Power factor, Frequency (45.00 to 65.00 Hz)

Input for Transformer status Measurements

Top oil temperature	PT100
Top oil pressure	4-20mA / 0.00 to 1.00 bar
Oil level	2 contacts for alarm level and trip level
Communication	RS485 MODBUS RTU

Output

Lamp	Overload lighting
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Other Monitoring

Location	GPS, GLONASS, BeiDou, Galileo, QZSS
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Communication

Primary communication	3G / 4G
Logging & upload period	1 to 60 minutes
Setup Communication	Wifi

Bundle set

Smart Monitoring Box (SMB) x 1 set
CT class 1 x 3 pcs.
PT100 x 1 pcs.
TEC SYSTEM Sensor x 1 set (optional)
Internet Sim (Package 2 Yr.)



THE ADVANTAGES OF SMART TRANSFORMER MONITORING SYSTEM



HEAD OFFICE

2/2 Soi Krungthep Kritha 8 (5), Krungthep Kritha Rd,
Huamark, Bangkok, Bangkok 10240

Sale Contact: (66) 65-539-5162
Tel: (66) 2379 3089-92 Fax: (66) 2379-3097
Hotline: (66) 89-444-0844
E-mail: contact@qtc-energy.com



FACTORY

149 M.2, Tambol Mabyangporn,
Ampur Pluakdaeng,
Rayong 21140 Thailand

Tel: (66) 3889-1411-3
Fax: (66) 3889-1420, 3889-1595



LINE OFFICIAL :
@qtc_energy



INSTAGRAM :
[qtcenergy official](https://www.instagram.com/qtcenergyofficial)



FACEBOOK :
QTC Energy PCL.



TIKTOK :
[qtc.energy.pcl](https://www.tiktok.com/qtc.energy.pcl)



WEBSITE :
www.qtc-energy.com