

Load Condition monitoring system for Distribution Transformer (LCMS)

Monitor your transformer health:

Keep your transformer healthy, monitored and safeguard your revenue. The system is designed to monitor the load conditions, while installation and running of Distribution Transformer without uneven distribution and electrical losses / theft.

While Installation: Equal distribution and the earthing for quality and safety of transformer.

While running: details of over loading, theft and losses across transformer outgoing side.

Benefits:

- i) Peak load requirement analysis, for proper power distribution, capacity enhancement, roasting hours, failure analysis.
- ii) Leakage current measurement to estimate earthing issues and power theft.

Display:

- 1. Running Current on all the phases individually.
- 2. Peak current all the phases individual.
- 3. Leakage current through circuit.
- 4. Time & date.

Data Logging: Peak value of current and leakage current with time and date stamping

Communication:

- 1. Server application, system is provided with e-SIM and modem. Data can be thrown on your server or we can provide with our server.
- 2. Mobile Application, data can be fetched from system through smart phone in "data. CVS" format.

Alarm condition: On server can generate alarm condition, when leakage current is deducted beyond specified limits.

Features:

Benefit:

The analysis of data will help to evaluate the transformer current distribution and daily peak current value with time and date.

New Product:

R&D i.e. HPD-11, high potential detector, even sense 240V line from more than 12 inches, any high voltage can be sensed from larger distance.

Final product be maximum of 300 grams and wearable on hand for free working.