

On-Line Cable Monitoring System

OLCM

- No cut-off the active power line.**
- No sudden breakdown of power cable.**
- Management of dielectric status.**
- Expect remained service life control.**



No Unexpected Breakdown of Power Lines

OLCM monitors the power cable status every day by computer-aided system. Therefore customers can recognize the current status of power feeders, to be able to prevent sudden breakdown of power cable line and expect remained cable service life.

Save Maintenance Manpower and Expenditure

While OLCM is executing for most of maintenance of works for power cable lines, we can save manpower and endeavor of maintenance engineer together with safety matters, technological levels, test equipment, etc.

No Additional Interference to Operating System

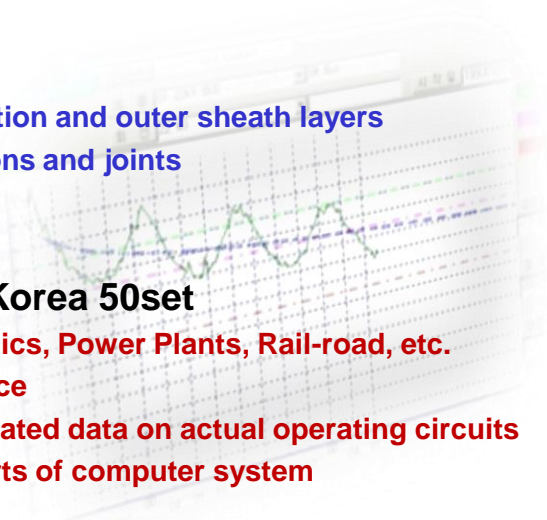
Setting OLCM on existing electric system is mainly applied on grounding system and using ground wire as a pass of measuring signals. No additional technological consideration on safety matters is needed.

Measuring Objects

- Dielectric stabilities status of insulation and outer sheath layers
- Partial discharge of cable terminations and joints

Supply Records : Japan 450set, Korea 50set

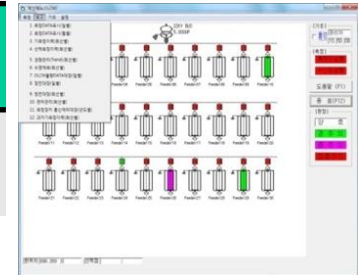
- Steel-meal, petro-chemical, Electronics, Power Plants, Rail-road, etc.
- More than 30 years of field experience
- Analysis of cable status by accumulated data on actual operating circuits
- Customer-oriented graphics & reports of computer system



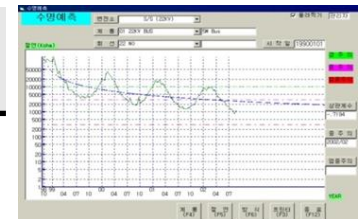
On-Line Cable Monitoring System (OLCM)

Monitoring Objects & Measuring Ranges

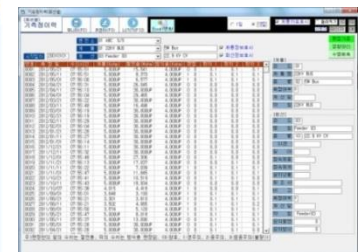
Measuring Item	Sy m.	Range	Monitoring Objects
Insulation Layer Insulation Resistance	RI	2~30,000MΩ	Power Cable Insulation & Cable Terminations
Outer Sheath Layer Insulation Resistance	RS	0~10,000KΩ	Cable Outer Sheath
Cable Partial Discharge	σ k	Statistic Analysis	Cable Terminations Cable Joints



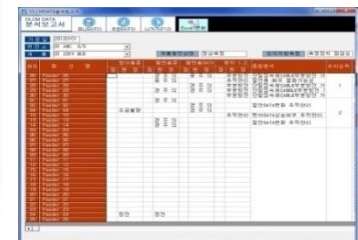
Master Control Screen



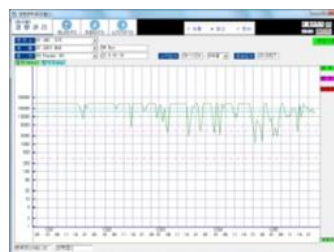
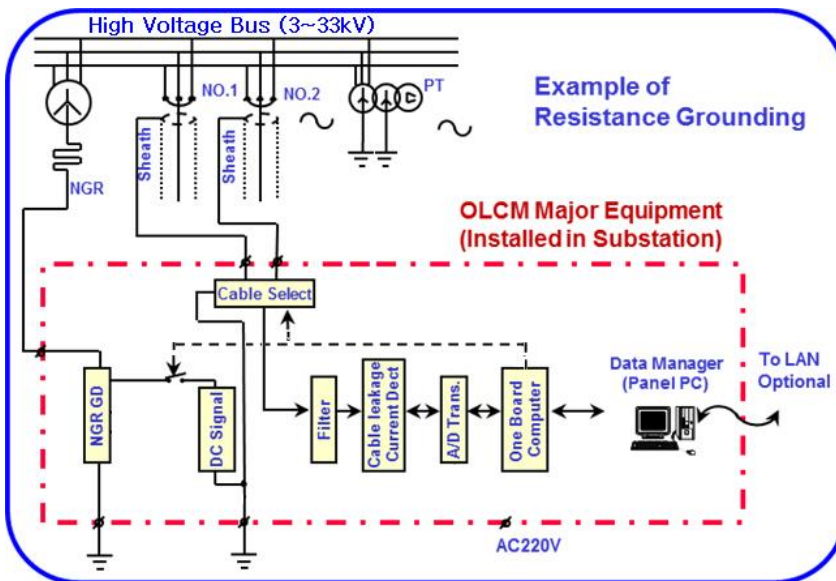
Service Life Estimation



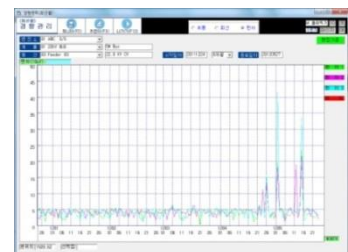
Measurement History



Data Analysis & Report



Trend Analysis IR



Trend Analysis P/D

Unique & Effective Power Cable Monitoring System ... OLCM



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