

Advanced Digital Signal Processing Technology for Continuous PD Monitoring of High Voltage Systems

PD Signal Processing and Evaluation

Signal Processing Frequency Range According to IEC 60270: 50 kHz to 500 kHz

⇒ Compatible with Traditional Off-line PD Test Results

⇒ Monitoring of entire Winding and HV Accessories

Dynamic Range up to 90 dB
Wide-Band Linear and Logarithmic Single-Pulse Processing Implemented,
Optional VHF/UHF Plug in

Autoranging Facility
Automatic Channel Synchronization

Pulse Resolution Capability > 100 kHz

Simultaneous Real Time Monitoring of all Three Input Channels

Multiplexed Signal Acquisition after Released Alarm or Forced by Local or Remote Control

Multiple Monitoring Systems can be Interconnected

Automatic Storage of Pre-history Files and Post-history Files (in Alarm Case),
Intelligent Data Logger



User-Defined Primary Alarm Criteria such as Threshold Level, PD-Signal Magnitude, PD-Repetition Frequency, Time of PD Occurrence

Self-Diagnosis Ability of Complete Signal Path Including the Generator by Injection of Artificial Test Pulses to the Neutral Terminal

Continuous Download and Transmission of the PD Data Stream to Remote Host Computers

All Functions Remote Controlled

- Detailed PD Diagnosis
- Self-Diagnosis of the System
- Matching of the Noise Sensors

