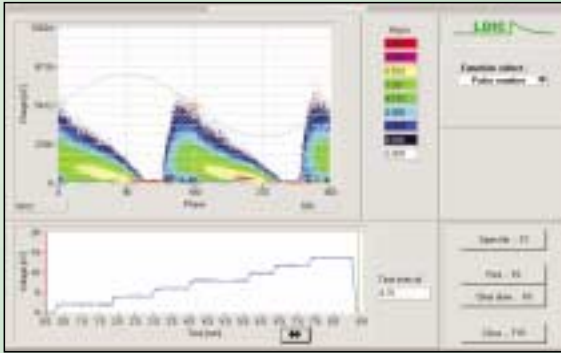


## On-Site PD Monitoring of Rotating Machines

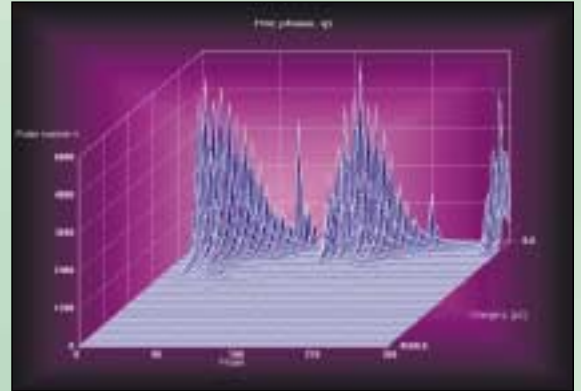
### Tools against Environmental Disturbances

- RIV Suppression
  - In Time Domain
  - In Frequency Domain
- Noise Pulse Rejection
  - By Compensation
  - By Gating
  - By Windowing



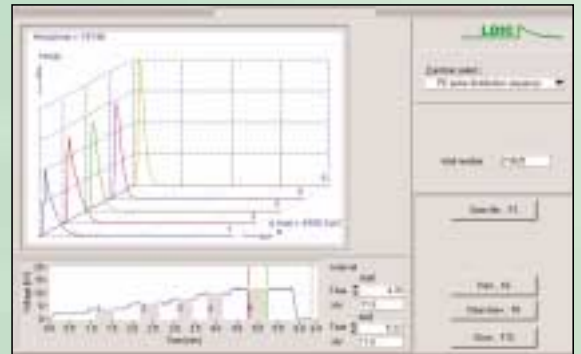
2D Phase Resolved PD

### On-line & Off-line Monitoring



3D Phase Resolved PD Pattern

### Analysis & Diagnosis



PD Pulse Distribution vs. PD Magnitude

### Evaluation of Aging Process



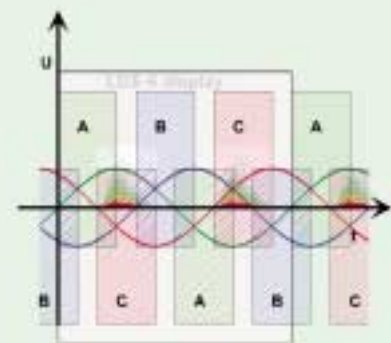
### PD Decoupling Units



PD Probe using Inductive (L) Sensor Capacitive (C) Sensor



Standard Coupling Unit for On-line & Off-line Monitoring



### Evaluation of PD Events

Phase Resolved PD Pattern

PD Distribution Functions

PD Frequency vs. PD Charge