



Doble's Calisto™ Condition Monitoring

Calisto

Calisto Online DGA Monitors



Accuracy Matters

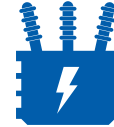
Calisto online DGA monitors provide the data you need to make informed decisions:



Early detection
of impending
failures



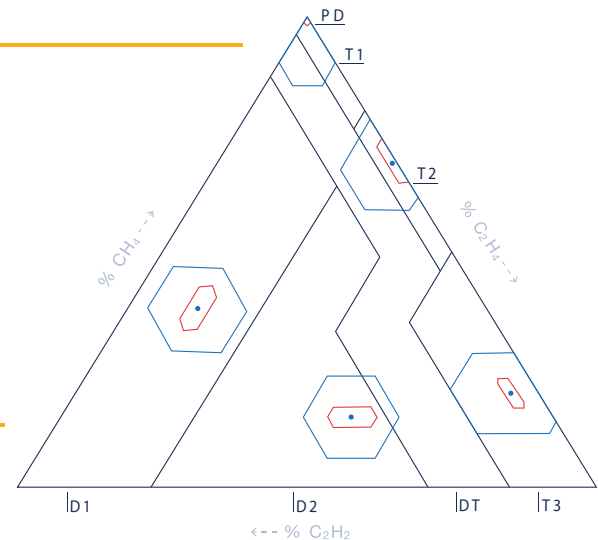
Cost-efficient,
condition-based
maintenance



Optimal loading
decisions

Accurate DGA data enables transformer diagnostics.

When an area of uncertainty crosses several fault
zones, reliable diagnosis is not possible:
fault severity is unclear.



Red $\pm 15\%$
Blue $\pm 30\%$

Trending just isn't enough!

When monitor and lab data agree, condition assessment can be made with confidence.

**Fact: DGA is the single most important tool
for diagnosing transformer health.**

You would not accept offsets or drift from any other
measurement tools.

Why should DGA monitors be any different?



Calisto Detection Monitors:

Calisto and Calisto 2



Hydrogen
+ Moisture



Hydrogen, moisture +
carbon monoxide

Calisto Diagnostic Monitors:

Calisto 5 and Calisto 9



5 fault gases +
moisture



Complete DGA +
moisture

Calisto Monitors Offer Long-Term Reliability

- Self-calibrating
- Fully functional even in the harshest environments
- Field-proven, industrial-grade electronics
- 5kV surge isolation on all network connections
- 250 ms power interruption protection
- Best-in-industry EMC and safety ratings
- Worldwide technical service and support
- 24-hour response time

Low, Predictable Total Cost of Ownership Also Matters

15+
years

Expected useful
operating life



Virtually maintenance-
free: annual visual
inspection

30✓
months

Standard
warranty on all
Calisto products



- Minimize false alarms
- Enable condition-based maintenance



Easy interchangeability between
detection and diagnostic units for
optimal fleet deployment
strategies

Calisto Manager Software

Calisto Manager is the interface software used by all Calistos to:

- Configure monitor settings and alarm levels
- Display monitor status
- Download historical data
- Perform monitor upgrades
- Provide simple SCADA functionality



Inside View insulating oil diagnostic software

Inside View, the most comprehensive DGA and dielectric oil diagnostic software on the market, integrates data from any brand of online monitor or portable analyzer and oil testing lab.



Centralize data for fast and easy accessibility

Perform accurate oil test data interpretation

Deploy a configurable health index

Receive only necessary alerts



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