



ONSITE TESTING SERVICES

Protection testing

As designers and manufacturers of protection systems we understand the standards and requirements relevant to your application and have the calibrated testing equipment to ensure high levels of reliability and repeatability.

Our qualified electrical technicians provide 24/7 onsite support and have access to in house engineers who can provide assistance for complex protection schemes.

Our services include:

- Protection relay testing, calibration and repair
- Primary and secondary testing of protection systems
- Heavy current, low voltage CB injection testing
- Earth leakage relay testing
- Upgrading of protection systems
- Fault studies, protection grading and protection system audits
- Long distance differential testing
- HV sticks, gloves, working earth testing

Transformer oil samples and testing

We provide onsite services for transformer testing, supported by comprehensive workshop facilities and experienced transformer design engineers.

Our services include:

- Field collection of oil samples
- Detailed reports and complete laboratory analysis of oil samples
- Trended oil laboratory results and recommendations

In addition, we undertake a comprehensive range of transformer electrical testing including:

- Ratio
- Phase error
- Power factor
- Winding resistance

- Insulation resistance
- Dirana
- Dielectric loss angle (tan Delta)
- Polarisation index
- Magnetising curve
- Burden
- Sweep Frequency Response Analysis
- Excitation current
- Leakage, reactance, impedance
- Sensor testing and calibration

Cable testing and fault locating

We support low, medium and high voltage cables in mining, construction, tunnelling and industrial applications. Our services include:

- LV, MV and HV cable testing, terminations and jointing
- Above and below ground cable fault location
- Cable repairs including confined spaces

Specialist electrical testing

Ampcontrol offer a range of specialist onsite testing services to support our customer sites that are supported by our electrical engineering teams.

Our services include:

- Thermal imaging
- Partial discharge and live partial discharge testing
- Earth grid testing
- Soil resistivity testing
- Specialist power studies and analysis
- Power factor testing
- Harmonics testing
- Battery load testing

