Safe maintenance of electrical systems with thermal imagers from Testo.

We measure it. testo

Operate electrical systems with the greatest possible security.

Faulty electrical connections or overload conditions in switching systems, electrical distribution boxes and electric drives can lead to costly production downtimes or even fire damage. The regular inspection of all electrical installations with a precise Testo thermal imager helps to minimise this risk of standstill. This allows anomalies to be identified reliably and effectively at a glance, and the required measures taken.

The challenge.

Roughly 70% of all weak spots in electrical systems can be traced to faulty clamp connections. Due to aging, incorrect installation, mechanical load or damage to the system components, electrical energy is converted into heat, which can lead to dangerous overheating – with potentially catastrophic consequences: Machines can break down, production lines come to a standstill, or system components even burst into flames. Whether you wish to test transformers, electrical distribution boxes, switching systems or electric drives: Testo thermal imager models can be used on all electrical systems for localising faulty electrical connections, for discovering asymmetrical load distribution or for identifying overload conditions of any kind.

The solution.

Testo thermal imagers show the surface temperature distribution of the measured electrical components at a glance. This allows weak spots to be identified quickly and early, before costly breakdowns can occur – faulty parts can be repaired or replaced. The great advantage of thermographic testing with Testo thermal imagers is that technical systems can be examined completely without contact. The continuing operation of the system to be tested therefore does not need to be interrupted.
The system availability is increased by regular inspections. Unplanned standstills and the risk of fire decrease. The highest possible level of security is guaranteed for the people working with the system, for the system itself and for the entire operation. The use of Testo thermal imagers also lowers the maintenance and energy costs of the whole system – by avoiding unexpected urgent repair work and by optimising the quantities of energy used.