



LEC MCHECK SOFTWARE FOR MEASUREMENT QUALITY CHECKS AND FAULT DIAGNOSIS

LEC MCheck is an innovative software for the diagnosis of sensor faults on test beds with changing test carriers, such as engine test beds. LEC MCheck detects faulty measurements at an early stage and is able to identify faulty sensors, which not only improves the quality of the measured data but also increases the efficiency of the test bed.

LEC MCheck Key Features

- Automated system for measurement data plausibility check and error detection of measured values
- Verification of the measurement data quality by means of different physical and statistical methods
- Identification of the faulty sensor
- Use of thermodynamic correlations of different measured values for plausibility check of a measuring point
- Automatic generation of data-based models
- Dynamic determination of confidence intervals and limit values for plausibility criteria
- Determination of the monitoring quality

