

### Overview of services

- Service work on CETA leak and flow testers
- Maintenance on request, calibration and repair of leak and flow testers from other manufacturers
- Customer support by phone
- Performing of DAkkS calibrations for pressure and factory calibrations for pressure and flow (details below)
- Rental of replacement equipment (depending on availability)
- Subject to prior agreement, on-site servicing and calibration in Germany and abroad (including planning and coordination of dates for on-site appointments)
- Maintenance contracts adapted to the specific needs of the customers with commitment to a fixed maintenance schedule
- Life cycle documentation of all CETA test devices in test device files, including repair, maintenance, calibration and modifications
- Office hours: Monday to Friday from 8:00 to 17:00
- Maintenance and service training for specific applications

### Performance data

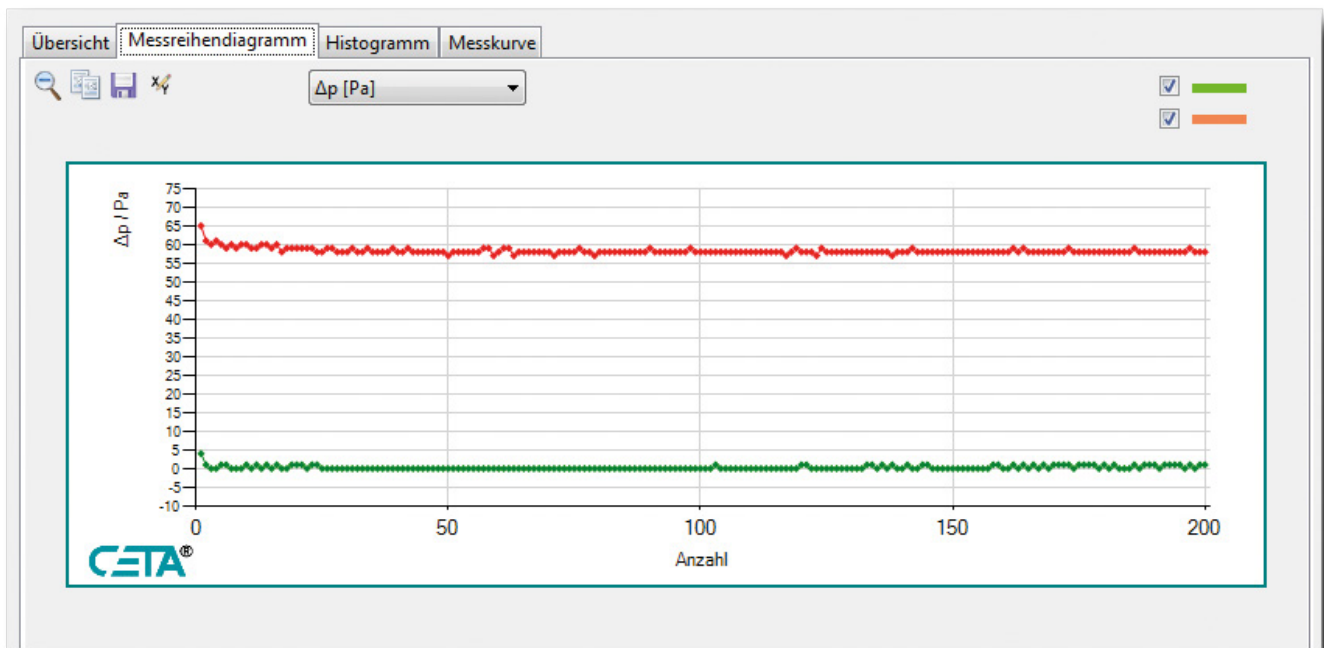
- More than 1200 servicing assignments per year
- 75 % maintenance and calibration work, recalibration of test leaks and master jets
- 25 % repair, modification
- 95 % of the maintenance and calibration works scheduled by appointment are generally completed within 1 - 2 working days processing time.
- If any defects are detected, an estimate of costs will be provided automatically.

### DAkkS calibrations and factory calibrations for the measurand pressure

- The calibration laboratory of CETA Testsysteme GmbH is accredited as DAkkS calibration laboratory (D-K-19566-01-00) for the mechanical measurand pressure.
- DAkkS calibrations can be performed within a pressure range of -1 bar to +60 bar, using gas as test medium.

### Factory calibrations for the measurand flow

- Factory calibrations cover the flow range of 0.1 ml/min to 400 l/min.



### Basics

- Check of the electrical and pneumatic components
- Initial calibration of pressure sensors prior to adjustment
- Hardware and firmware updates if technically required
- Cleaning of the whole device (inside and outside)
- Shipment of the equipment in special packaging

### Work on electrical components

- Measurement of the supply voltages including correction if needed
- Electric protection tests according to standards, including necessary revisions

### Work on pneumatic components

- Assessment, dismantling and cleaning of all removable parts (valves, multifunction valve, bypass, pressure regulator, etc.)
- Check of the pre-pressure regulator and adjustment if necessary
- Replacement of wear material (grease, O-rings, springs, protecting caps, sound absorbers, etc.)
- Calibration of the gage pressure sensors and differential pressure sensors at several measuring points (in positive and negative gage pressure range)
- Control of the hysteresis of the measuring cells

### Test and documentation

- Multi-stage test phases and final tests adapted to the different test modes, including endurance test
- Logged function tests, DAkkS- or factory calibration certificates, update lists, maintenance protocols, graphical printouts, repair reports for the customer
- In-house documentation of all works performed on the devices