

Dynamometer-Check-up

For multicomponent dynamometers and force sensors

Type 9966B34-1

Service overview

This service offers a swift and complete feedback on the status of your equipment without the need for elaborate recalibration. The service is ideal to verify the functionality in between usual recalibration cycles. It requires less effort to a complete recalibration, especially thanks to its on-site availability – resulting in minimal machine downtime.

Description

The dynamometer check-up consists of four separate tests to completely verify the functionality of the unit under test. Signal plausibility is verified through the comparison method with a Kistler reference sensor. All three force axes of the unit under test are tested. A pass/fail result will be reported based on the experience of Kistler as the manufacturer of the devices. The insulation of all outputs to earth is also checked, as low insulation leads to a drift during the measurement.

The geometric integrity is tested via a check for plastic deformations, which could result in increased crosstalk. Such deformations may occur as a result of overload, crash, or fatigue. The sealing capabilities of the unit under test are verified by a leakage test. The unit under test is filled with Helium and the outside concentration is measured at critical points to identify any leakages.

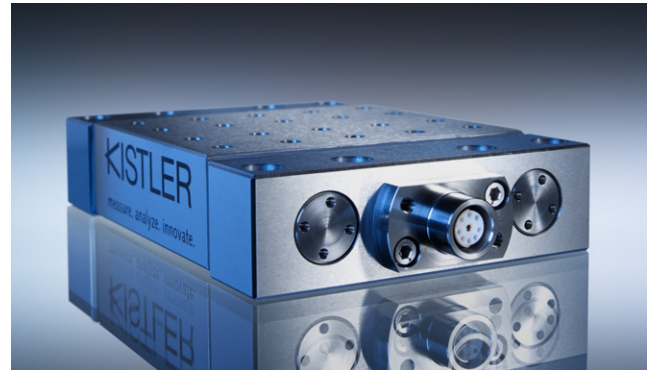
Application

This service can be supplied for the following Dynamometer types:

- 91x9AA
- 9255B/C
- 9257B
- 9272
- 9327, 9347, 9367

Location

The service is available on-site and at specific Kistler laboratories.



Prerequisites

To enable the on-site service, the customer needs to make sure that the following conditions are met:

- Dynamometer removed from the machine and any adapters
- Working space available for the Kistler technician (including a table)

Benefits

- Swift verification of sensor functionality
- Optimized performance thanks to preventive maintenance
- Minimized downtime through on-site service
- Detailed documentation

Documents

- Kistler Test Report for Dynamometer Check-up
- Includes a pass / fail statement for each test

Service content / details

- Testing the signal plausibility (all 3 force axes)
- Testing the insulation against ground of all outputs
- Testing the parallelism to check for deformations
- Testing the sealing capabilities
- Documentation of test results

Ordering key

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