

# KEPLER 4 FOR 2017 COMBINED

***The combined program for the calibration and certification of torque wrenches to BS EN ISO 6789:2017, BS EN ISO 6789:2003 or your own in-house standards, and for keeping track of each individual wrench.***



Kepler 4 is built around a new works orders database, which ties together the customer, tool, model, reading & certificate.

## KEY CONFORMITY FEATURES

- Complies with ISO 6789:2017 Part 1, allowing the automatic calculation of the mean deviation and mean value for each setting.
- Also calculates the deviation for each reading, and indicates by colour whether the reading is within tolerance to the selected standard.

## KEY CALIBRATION FEATURES

- Complies with ISO 6789:2017 Part 2, allowing the automatic calculation using new formulae of the mean, deviation & combined uncertainty of each set of readings, for each torque tool.
- Calibrates both square and hexagonal drive wrenches.
- Full tracking of tools calibration performance and history. Produce a report listing tools that require calibrating.
- The ability to calculate average values of uncertainties Bod, Bint and BI over the last 10 calibrated tools of the same model.
- The ability to Colour the Calibration, to apply colour indicators to the results to show whether the deviation is within tolerance for the tool type as defined in ISO 6789:2017 Part 1. This can also be displayed on printed reports.

## KEY SHARED FEATURES INCLUDE

- Powerful search function allows historic calibration and conformity certificates to be easily found from searching by customer, tool or model; works order number or certificate number.
- Bespoke templates easily created for certificates, reports and labels. Auto or manual certificate numbering.
- Option to operate in 6789:2003 to allow phased migration to 6789:2017.
- Tool performance & data input via COM port and keyboard. Option for bar code direct entry.
- A Miscellaneous Tools feature, allowing storage of non-torque tool information for use in recording the calibration of Miscellaneous Tools, generating overdue tool reports, and certificate front pages.
- Exporting of results data as a csv file for use in other programs.

Advanced Data & Measurement Systems is a Trading name owned by  
Advanced Witness Systems Ltd © 2024

Data was correct at time of publication.  
Catalogue Page 57

## OTHER FEATURES INCLUDE

- All certificate print details recorded. Enables exact reproduction ensuring full traceability.
- Cloning facility speeds multiple data entry.
- Import and Export reports into text or spreadsheet formats for more efficient database backup.
- Databases can be converted from Kepler 3, 2002 and 2000 allowing faster start up for previous customers.
- Databases can be stored locally or on a server for more efficient backup.
- Multiple translations available, including the facility to create your own translation.
- Data output and report generation collated and filtered from any combination of good and out of tolerance tools.
- Comprehensive user manual.
- Free demonstration and 6 months full help and support included in purchase.
- Certificate conversion available on enquiry.
- **NEW!** K factor verification to UKAS M3003 Appendices B and C using external spreadsheet module (Sold Separately).

## SYSTEM REQUIREMENTS:

Minimum Screen Resolution: 1280x768.

Software is a .NET application using an SQL Database.

Minimum System: i5 Processor or equivalent, 4GB RAM, on board graphics. Keyboard & Mouse Interface.

*Disclaimer: This datasheet may not reflect the latest version of the software. For more information, visit our website: [www.awstorque.co.uk](http://www.awstorque.co.uk).*

The software interface consists of several main sections:

- Readings Screen:** Displays a table of readings for three settings (10,000 N.m, 30,000 N.m, 50,000 N.m) across four different readings. It includes buttons for 'Save and Continue', 'Clear These Readings', 'Review All Readings', and 'Restart All Readings'.
- Calibration Instrument and Lab Settings:** A configuration screen for instrument details (e.g., 2356, 50Nm ITT), lab temperature (20°C), and lab humidity (40%). It includes 'Standard Setup' and 'Reading Settings' sections.
- Readings Table:** A detailed table showing readings for different tool types and settings. The table includes columns for Tool Type/Class, Setting, and various uncertainty and tolerance values.

Tool Type/Class	Setting	Reading	Mean Value (Obs)	Mean of Error (est)	Uncertainty Expanded (95%)	Uncertainty Interval (95%)
10.00	10.00	0.000%	10.000	0.000%	0.227%	0.477%
30.00	30.00	0.000%	30.000	0.000%	0.121%	0.371%
50.00	50.00	0.000%	50.000	0.000%	0.108%	0.358%

## ALSO AVAILABLE AS SEPARATE CONFORMITY AND CALIBRATION VERSIONS

Advanced Data & Measurement Systems is a Trading name owned by  
Advanced Witness Systems Ltd © 2024

### MANUFACTURER INFORMATION

Advanced Witness Systems Ltd  
Unit 8  
Beaumont Business Centre  
Beaumont Close  
Banbury  
OX16 1TN  
Tel: +44 (0)1295 266939  
Email: [sales@awstorque.co.uk](mailto:sales@awstorque.co.uk)

### SUPPLIER INFORMATION

Data was correct at time of publication.  
Catalogue Page 58