

### 1. Document Information

<b>Document Number</b>	ADCF126
<b>Document Title</b>	UKAS Calibration of Torque Meters to BS 7882 Compliance Statement
<b>Version/Revision</b>	1
<b>Date of Issue</b>	November 2024
<b>Author</b>	FTS Technical Manager
<b>Document Type</b>	Company Form
<b>Review Cycle</b>	Upon Significant Changes

### 2. Revision History

Version/Revision	Date	Description of change	Author	Approved by
1	Nov-24	Document created	DM	Quality

### 3. Document Distribution

Department(s)	Distribution Method & Location	Access Level
Quality	Hard Copy / T: Drive	Internal
Customer	<a href="https://www.avon-dynamic.co.uk/quality/">https://www.avon-dynamic.co.uk/quality/</a>	External

### 4. Related Documents

Document Number	Document Name
BS 7882 2017	Method for calibration and classification of torque measuring devices

### 5. ISO Related Clauses

Standard	Title	Clause
ISO 17025	Reporting statements of conformity	7.8.6
ISO 9001	Operational planning and control	8.1

#### Scope:

The below information outlines the process the laboratory will take as standard process for the calibration of torque meters to BS 7882:2017, unless consulted otherwise from the end user.

#### Contract Review

- Devices sent in for calibration will be calibrated and the 'As Found' readings recorded.
- Where possible the unit will be adjusted with "as left" results.
- The calibration will be performed to the appropriate British Standard BS 7882 2017 unless requested otherwise.
- The range of Calibration will be 0.04 to 1500Nm and calibration will be carried out in Nm unless otherwise requested or the unit under test dictates units measured.
- All calibrations will be in the clockwise direction unless otherwise requested.
- Transducers must be supplied with associated display to ensure calibration as a system.
- Calibration will be carried out to BS 7882 Fig A.1e unless stated otherwise.

#### Decision Rule

- Classification is inherent in BS7882:2017. The uncertainty of the applied torques are directly accounted for and no further consideration was made when the unit under test was classified.