

How to use and take care of your Capture Sensor



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Sensor Specification

- Capture Sensor Range 0.2 – 1500 N.m
- Accuracy Class 1 or better (see individual Calibration Certificate)
- Calibration N.m (unless stated on Calibration Certificate)
- Quicktec chip Automated Sensor recognition (mV/V, Model No, Units, etc.)
- Integral mounting holes Horizontal and Vertical mounting positions (see table for fixing bolt positions)

Safety & Maintenance

- ✓ Use only as a Torque Sensor / Calibration Device
- ✓ Always ensure the sensor is securely fixed to a flat surface before use
- ✓ Calibrate every 12 months
- ✗ Do not exceed maximum bridge excitation of 10 Volts D.C.
- ✗ Do not drop the device
- ✗ Do not apply more than 100% of the sensors maximum torque / range
- ✗ Do not clean with abrasives or any fluids, use a dry cloth
- ✗ Dispose of unit in a safe manner

Overview

Capture Sensors are all four wire bridge, millivolt per volt (mV/V) sensors, fitted with Torqueleader's "Quicktec" function.

The "Quicktec" function allows automatic setup with a Torqueleader Analyser (Capture Display or PETA).

Fixing Bolt Positions

Capture Sensor	Centres in mm	Fixing Bolt Size (Class 8.8 min)
036805 – CS2	56 mm	M8
036807 – CS 5		
036810 – CS 10		
036815 – CS 25		
036820 – CS 50		
036825 – CS 100		
036830 – CS 250	79 mm	M12
036835 – CS 500		
036840 – CS 1500		

Sensor Cables

Description	Order Code
Capture Sensor – Capture Display / PETA	036246
Capture Sensor – Non Specific Display	036226

Sensor Connector Type & Pin Connections

Sensor connector - AMPHENOL 62GB-12E10-06PN(771) – 6 WAY.

Pin No.	Function
A	+ve Sensor Excitation
B	-ve Sensor Excitation
C	+ve Sensor Signal
D	-ve Sensor Signal
E	Digital Clock (Quicktec)
F	Digital I/O (Quicktec)

Note: The voltage output for Static Sensors shows a positive output for clockwise torque and a negative output for anti-clockwise torque.

Warranty

Your Capture Sensor is supplied with a 2 year warranty.

Torqueleader's Calibration Service

Regular calibration is vital to ensure:

- Torque equipment operates to peak performance
- Guaranteed results
- Traceability to National and International Standards

“Here at Torqueleader we offer both **UKAS** and **In House** Calibration Services...”



UKAS Calibration

Our Calibration Laboratory, accredited by UKAS to ISO/IEC 17025:2005 offers a more in depth Torque Calibration Service. This provides:

- Torque Wrench calibration to ISO 6789:2003
- Torque Transducer calibration to BS 7882:2008
- As found and As left Calibration Certificates

In addition the technical competence of the Laboratory and its staff have been independently accredited by UKAS.

In House Calibration

Our in house calibration is a cost effective method to ensure your equipment is in peak condition. This provides:

- Torqueleader's Calibration Certificates
- Clear results
- Traceability to National Standards

Discuss your Calibration

needs with us on

+44 (0) 1483 894 476

