


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 “Quicktec” function.

The “Quicktec” function allows automatic setup with an Analyser (Capture Display or PETA).

Fixing Bolt Positions

Capture Sensor	Centres in mm	Fixing Bolt Size (Class 8.8 min)	Required Fixing Bolt Torque (Nm)
038805 – CS2	56 mm	M8	16Nm
038807 – CS 5			
038810 – CS 10			
038815 – CS 25			
038820 – CS 50			
038825 – CS 100	79 mm	M12	31Nm
038830 – CS 250			
038835 – CS 500	125mm	M16	47Nm
038840 – 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.

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