SKF QuickCollect Sensor and QuickCollect App

CMDT 392, CMDT 392-Ex

User Manual
Part Number **XN-CMDT 392-02**
Revision **B** – **April 2026**

!	Read this manual carefully before using the product. Failure to follow the instructions and safety precautions in this manual can result in serious injury, damage to the product or incorrect readings. Keep this manual in a safe location for future reference.

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37540 Saint-Cyr-sur-Loire, France
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Product Registration

Please take a moment to register your product to receive exclusive benefits offered only to our registered customers, including technical support, tracking your proof of ownership and staying informed about upgrades and special offers. (Please visit our website for more details on these benefits.)

General Product Information

General information such as datasheets and catalogues are published on the Condition Monitoring Systems site on SKF.com. Supporting product information can also be downloaded from the SKF Technical Support self-service web portal.

Product Support Contact Information

Repair *and* ***Calibration Services*** – Submit a Return Authorization (RA) request to arrange for repair or calibration of your product. You will receive an RA number and shipping instructions usually within 48 business hours.

Product Sales – For information on purchasing condition monitoring products, services and support on products out of warranty, please contact your local SKF sales office or distributor.

How to request Technical Support – Please open a support case using the Technical Support group's self-help portal at www.skf.com/cm/tsg. Once your support case is submitted, a technician will contact you to begin working on your issue. For urgent issues we are available at these times:

- Monday through Friday, 5:00 a.m. to 4:00 p.m. Pacific Time
  Phone: +1 800 523 7514 within the US or +1 858 496 3627 outside the US.

- Monday through Friday, 8:00 a.m. to 4:00 p.m. Central European Time
  Phone: +46 31 337 65 00.

- Monday through Friday, 7:30 a.m. to 4.30 p.m. India Standard Time
  Phone: +60 16 699 9506.

Table of contents

1 Safety messages

!	**Warning!** Your safety is extremely important! Read and follow all warnings in this document before handling and operating the equipment. You can be seriously injured, and equipment and data can be damaged if you do not follow the safety warnings.

!	**Warning!** Warning messages can alert you to an operating procedure, practice, condition, or statement that must be strictly observed to prevent equipment damage or destruction, or corruption or loss of data.

!	**Important!** Important messages means that there is a risk of product or property damage if the instruction is not heeded**.**

1.1 Personnel safety

- Wear appropriate clothing. Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves away from moving parts.
- Do not overreach. Always keep proper footing and balance to enable better control of the device during unexpected situations.
- Use safety equipment. Always wear eye protection. Non-slip safety shoes, hard hat and hearing protection must be used in the appropriate settings.
- Do not repair or adjust energized equipment alone, under any circumstances. Someone capable of providing first aid must always be present for your safety.
- Persons working on or near high-voltage equipment should be familiar with approved industrial first-aid methods.
- Never open or work on energised electrical systems unless authorised by a responsible authority. Energized electrical systems are dangerous and electric shocks from energized systems can be fatal. Always ensure that the necessary permission or permit to work has been obtained before commencing any work.
- Always obtain first aid or medical attention immediately after sustaining an injury. Never neglect an injury, no matter how superficial it initially seems.

1.2 Device safety

- If the device has been dropped, check for damage before using. Device service must be performed only by qualified SKF repair personnel.
- Do not attempt to open the device.
- Use only accessories recommended or provided by SKF or the manufacturer.

1.3 Intended use

This product is designed for indoor use. Exposure to ultraviolet (UV) light should be limited. Ensure that the product is installed and operated within the environmental conditions specified in this manual.

1.4 Energized equipment

Never work on energized equipment unless authorized by a responsible authority. Energized electrical equipment is dangerous. Electrical shock from energized equipment can cause death. If you must perform authorized emergency work on energized equipment, be sure that you comply strictly with approved safety regulations.

1.5 Hazardous locations

Hazardous instructions are included with this device and must be followed in accordance with the safety instructions provided with the device.

1.6 No submersion / immersion

This equipment has been designed to be splash and dust resistant. However, avoid direct contact with water, wet surfaces, or condensing humidity. If the instrument is subjected to these conditions, adverse operation may result, and there is a risk of serious injury or damage should electrical shock or fire occurs. Allow the instrument to dry thoroughly before operation.

1.7 Avoid damage and injury

To avoid costly damage to the instrument or injury from a falling instrument, place the device on a solid stable surface when not in use and do not place any heavy objects on it. Use damp, clean cloth for cleaning. Do not use cleaning fluids, abrasives, or aerosols. They could cause damage, fire, or electrical shock.

1.8 Specific conditions of use

The Ex approved version of the QuickCollect sensor, **CMDT 392-Ex**, must be used in accordance with the safety instructions provided with that device.

Agency approvals for the CMDT 392-Ex with CMAC 8010-EX cable	
	Ex ib IIC T4 Gb Ex ib IIIC T135°C Db -20 °C ≤ Ta ≤ +60 °C
	Class I, Zone 1, AEx ib IIC T4 Gb Zone 21, AEx ib IIIC T135°C Db IS Class II, Division 2, Group F, G T135°C -20 °C ≤ Ta ≤ +60 °C

2 SKF QuickCollect sensor

2.1 System overview

The SKF QuickCollect sensor is part of the SKF QuickCollect system, which also includes SKF mobile apps and SKF Machine Health software. This system is used by service, reliability, operations, or maintenance personnel as part of a walk-around data collection program. With the SKF QuickCollect sensor which can be connected to a smart phone or tablet, the user can monitor hundreds of assets per day and thousands of assets per month. The data can be analysed on the spot in real time.

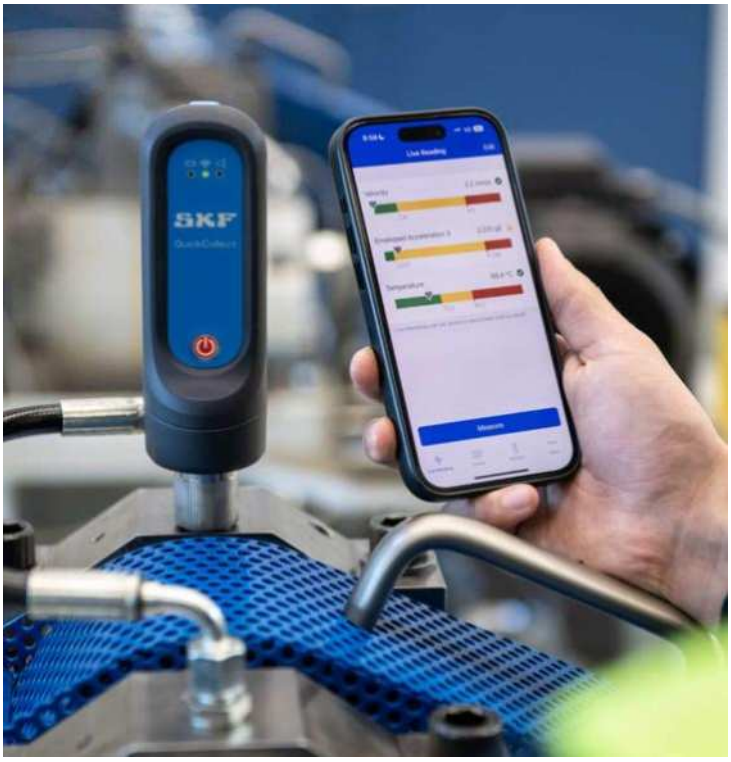


Figure 1 SKF QuickCollect system in working environment

In brief, a typical operation would include the following steps:

1. Take the QuickCollect sensor and a smartphone or tablet to the rotating machinery that needs to be monitored, such as a pump or motor.
2. Attach the sensor to the bearing housing using the magnetic mount.
3. Start the sensor measurement wirelessly via **Bluetooth**® Low Energy using an SKF app on a smart device.
4. After completing the measurement, remove the sensor and move on to the next machine or measurement location to continue collecting data.
5. Once all measurements are complete, place the sensor back on its charger.

The QuickCollect **CMDT 392** and **CMDT 392-Ex** sensors supports **Bluetooth®** Low Energy version **5.0**, to communicate with standard iOS and Android devices via an SKF app. It captures overall machine vibration (velocity and enveloped acceleration), time waveform, and temperature data.

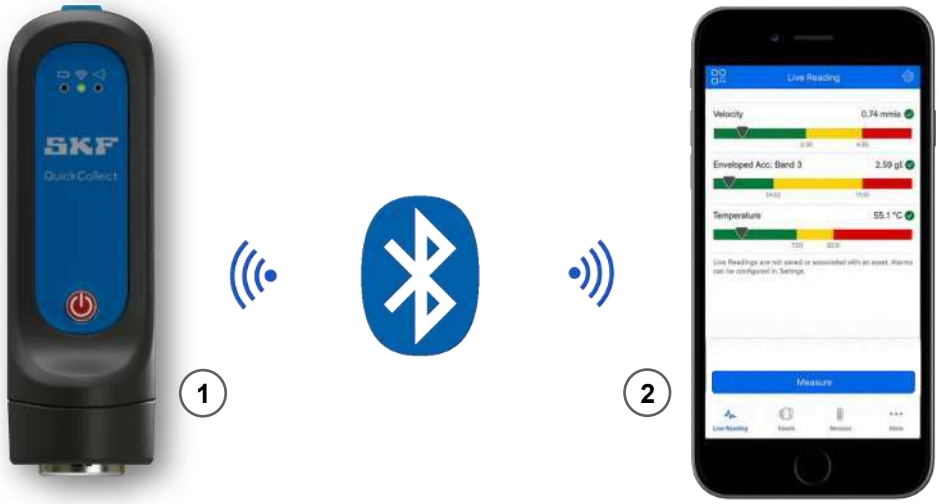


Figure 2 SKF QuickCollect System

1. SKF QuickCollect CMDT 392 portable wireless sensor
2. SKF QuickCollect App on mobile phone

The QuickCollect sensor offers wireless data transfer, a rugged design, and a rechargeable battery. By eliminating the hazards and inconvenience of cumbersome cables, it enhances operator safety and provides a safe, efficient, and user-friendly solution for front-line machinery condition monitoring.

Data collected and transferred to an SKF app is displayed on-screen using easy-to-identify, colour-coded bars that indicate alarm status: green for acceptable, yellow for alert, and red for danger.

For detailed sensor specifications, refer to the product datasheet available at skf.com.

2.2 Sensor controls and status indicators

Figure 3 SKF QuickCollect sensor CMDT 392 and CMDT 392-Ex – Controls and LEDs

1. Power button
2. Battery LED
3. Communication LED
4. All-purpose check LED

- **Power button** –Turns the sensor on and off. When the sensor is off, pressing the button immediately powers it on. Once activated, a 15-minute inactivity timer begins. If no communication occurs between the sensor and the SKF app within that time, the sensor will automatically power off.

  Resetting the inactivity timer
  While the sensor is powered on, press the power button for less than three seconds to reset the 15-minute inactivity timer.

  Turning off the sensor
  While the sensor is powered on, press and hold the power button for more than three seconds to turn the sensor off

- **Battery LED** – Green, Red. Off when not connected to a charger.

  When connected to a charger:

  - Green – Indicates the battery has reached full charge, and charging has stopped.
  - Red (solid) – Indicates the battery is being charged.
  - Red (slow blinking) – Indicates low battery. Remaining life is about 15% of the fully charged level.

  - Red (fast blinking) – Indicates battery charge is too low to keep the sensor powered on. The device will power itself off.

- **Communication LED** – Green. Off when powered off.
  - Green (blinking) – Indicates the sensor is powered on but not connected to the app.
  - Green (solid) – Indicates the sensor is connected to an SKF app.
- **All-purpose check LED** – Green, Red, Amber
  - Green – No errors
  - Red (solid) – Indicates an error condition: factory state, no serial number or uncalibrated.
  - Red (fast blinking) – Indicates a critical error.
  - Red (blinking or alternating with green) – Indicates an external sensor error.

Red (**sequential blinking across all three LEDs**) – Indicates that a firmware update is in progress.

2.3 Vibration and temperature measurements

When placed directly on a machine, the QuickCollect sensor can simultaneously collect vibration and temperature measurements.

2.3.1 Vibration measurements

Most machinery issues manifest as excessive vibration. Conditions such as mechanical looseness, imbalance, soft foot (foundation), misalignment, shaft bow, bearing wear, gear defects, and rotor damage can be identified through vibration analysis. During measurement, the sensor's vibration output is processed to generate two key vibration metrics for each measurement point.

- **Velocity** – Vibration velocity is considered a general-purpose vibration measurement for detecting machinery problems. Most common machinery issues such as imbalance, misalignment, bent shafts, and looseness produce low to mid-frequency sinusoidal vibration signals. Velocity measurements are particularly effective at detecting vibrations within this frequency range, making them ideal for identifying these types of problems. ISO standards provide general guidelines for evaluating vibration severity based on velocity measurements.

- **Enveloped Acceleration Band 3** – Rolling element bearing faults cause low-amplitude impulsive type vibration signals at a regular rate of repetition. When using velocity measurements, low-energy impulsive signals are often masked by surrounding vibration noise from common issues such as imbalance, misalignment, looseness, and bent shafts. Enveloped acceleration measurements filter out background machine vibration noise and highlight the impulsive signals typically generated by bearing or gear faults. These measurements enhance the detection of repetitive, high-frequency vibration patterns, allowing for earlier and more accurate identification of defects. While not used for monitoring overall machine vibration, enveloped acceleration is a reliable method for consistently detecting bearing and gear-related issues at an early stage.
- **Measurement and analysis capabilities** – When used together with an SKF app, the FFT resolution (number of lines), low-frequency filtering (high-pass filter), and sample rate (bandwidth / Fmax) can be configured.

2.3.2 Temperature measurements

Temperature measurement is a useful indicator of mechanical condition, or the load applied to a specific component. As a bearing or its lubrication fails, friction causes its temperature to rise. Measuring temperature changes at the bearing helps the early recognition of problems and the scheduling of corrective maintenance before a serious and expensive failure occurs.

The temperature measurement opening is located next to the magnetic mount on the QuickCollect sensor. Its infrared (IR) sensor has a range of 4 cm and rapidly detects the temperature of the equipment to which the sensor is attached. The temperature measurement is **unavailable** when the external sensor cable is in use.

Figure 4 IR sensor location

2.3.3 Wireless communication

The sensors operate within the **2.4 GHz ISM band** for wireless communication. The following specifications apply:

- **CMDT 392** – **2400 MHz** to **2483.5 MHz** band with a maximum radiated power of **0.979 mW**.

- **CMDT 392-Ex** – **2400 MHz** to **2483.5 MHz** with maximum radiated power of **1.472 mW**.

2.3.4 External sensor setup

CMDT 392 and CMDT 392-Ex sensors are designed to support any two-wire, constant current powered, external accelerometer that provides a 100 mV/g output and a bias voltage to indicate sensor status OK.

To connect to the **CMDT 392**, the correct SKF cable (part no. CMAC 8010) must be used. This cable features a 6-pin connector that mates with the unit's external sensor/charging port.

Figure 5 CMAC 8010 – External sensor cable for the CMDT 392

!	**Important! CMDT 392-Ex** uses cable part number **CMAC 8010-EX**. Refer to the safety instructions for specific conditions of use and the entity/connector parameters to be considered when selecting a suitable Ex-approved external accelerometer.

!	If the **CMDT-392-Ex** battery level becomes too low, the **CMAC 8010-EX** external sensor cable will be disabled to ensure safe operation in hazardous locations.

The SKF-recommended external accelerometer for use with the **CMDT 392** is the **CMSS 2100**, while the **CMSS 786A-IS** is recommended for the **CMDT 392-Ex**.

Ensure the external sensor cable is securely attached by following these steps:

1. Locate the small notch on the QuickCollect connector.
2. Align the cable connector's keyway with the notch and press gently to join the two connectors.

3. Tighten the screw lock on the cable mounted connector to secure it. Avoid overtightening.

Or alternatively:

4. Press the two connectors gently together and slowly rotate one connector until the keyway slides into the notch and then tighten the screw lock to secure.

The CMDT 392 supports a maximum external cable length of **10** metres. Since the CMAC 8010 cable is **2** metres long, the maximum allowable length for any additional external cable is **8** metres.

The other end of the external sensor cable has a 2-pin (MIL-C-5015) connector suitable for direct connection to standard SKF accelerometers. If the cable is to be attached to another type of connector, then a suitable adapter must be sourced.

Notes:

- Internal sensor usage is disabled when a cable is connected to the 2-pin connector, even if no external sensor is attached. In this state, the internal sensor becomes inoperable and cannot be used for measurements.
- Temperature measurement is also unavailable when using an external sensor cable.
- Battery life will be reduced as the QuickCollect sensor is powering an external sensor.
- Do not carry the QuickCollect sensor by its attached cable.

The following status conditions may apply when using an external sensor/cable combination:

1. No cable plugged in – This is the expected status when using the internal sensor to acquire data and not having any sort of cable attached.
2. Cable plugged in and no error detected – This is the expected status when using an external sensor to acquire data. It indicates the external sensor cable is attached and no error condition detected.
3. Cable plugged in and a short circuit error detected. Signalled by the all-purpose check LED blinking red.
4. Cable plugged in and an open circuit error detected. Signalled by the all-purpose check LED flashing alternate red and green.
5. Cable plugged in, but no sensor attached. Signalled by the all-purpose check LED flashing alternate red and green.

Notes:

- Status conditions **3**, **4** and **5** are considered error conditions.
  It is not possible to take a measurement when an error condition is detected.
- It is not possible to distinguish between the open circuit error condition **4** and the no sensor attached condition **5**.

2.4 Certifications and compliance – CMDT 392 and CMDT 392-Ex

North America

FCC compliance statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Contains FCC ID: S9NBNRGM2SA

The Company “SKF FRANCE” is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user’s authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference's by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device must be professionally installed.

This equipment complies with FCC’s radiation exposure limits set forth for an uncontrolled environment under the following conditions:

1. This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the radiator (antenna) and user’s/nearby person’s body at all times.

2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Canada regulatory statement

CAN ICES-3 (B)/NMB-3(B)
Contains IC: 8976C-BNRGM2SA

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1) L'appareil ne doit pas produire de brouillage;
2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with RSS102's radiation exposure limits set forth for an uncontrolled environment under the following conditions:

1. This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the radiator (antenna) and user's/nearby person's body at all times.
2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'expositions de la CNR102 applicables pour un environnement non contrôlé aux conditions suivantes:

1. Cet équipement devra être installé et fonctionner de telle manière qu'une distance minimale de séparation de 20 cm soit maintenue entre la partie rayonnante (l'antenne) et l'utilisateur / les personnes à proximité à tout moment.
2. Cet émetteur ne doit pas être co-localisé ou opérer en conjonction avec toute autre antenne ou émetteur.

2.5 Calibration and repair

It is recommended that the QuickCollect sensor is checked that it's within calibration every **24 months**, with the first calibration check due 24 months from the first date of in-service, use.

SKF can provide calibration check and if needed replacement of QuickCollect sensors.

Contact your nearest SKF Technical Support Group TSG representative for more details.

2.6 Electrical waste

Electrical waste and electrical equipment should be recycled as specified by the WEEE-directive and not be placed in the general refuse. Product should be sent to an approved recycling centre for safe recycling, recovery, reuse or returned to SKF for proper recycling.

SKF Sverige AB
Ålgatan 10D
973 34 Luleå
Sweden

3 Using the QuickCollect sensor

3.1 Charging the battery

> **Charge the battery only in an office environment**. Always use the correct charger for your device: use the **CMAC 8004** for the **CMDT 392**, and the **CMAC 8007** for the **CMDT 392-Ex**.

> To ensure safe operation in hazardous locations, the QuickCollect Sensor **CMDT 392-Ex** automatically prevents the **CMAC 8010-EX** external sensor cable from operating when the internal battery level is too low.
>
> Before using the external sensor cable, fully charge the CMDT 392-Ex sensor. A low-battery condition is indicated by both the **All-purpose check LED** and the **Battery LED** blinking red.

The sensor is equipped with an internal lithium-ion battery. Prior to using the sensor for the first time, use the provided power supply to fully charge the sensor battery.

The sensor's only external connector is the 6-pin connector located on the back. It has dual use: for charging the sensor (when not collecting data) and for using an external accelerometer to take vibration measurements.

> **Important! SKF QuickCollect connector uses a 6-pin design** to ensure a secure connection. To prevent damage to the connector, ensure proper alignment with the QuickCollect sensor when connecting or disconnecting the charger.

Figure 6 External sensor and charging connector

To charge the battery

1. Connect the charger to an AC outlet. If necessary, use regional AC outlet adapters.
2. Align, connect, and tighten the charger's cable to the sensor's external 6-pin connector.
3. The battery LED lights red while charging and green when fully charged.

The battery will be fully charged after approximately four hours.

Once the battery is fully charged, the sensor is ready for operation. The battery LED will blink red when the power level is low. If the battery level becomes too low, the sensor will automatically power itself off to prevent battery damage.

When not being used for data collection, connect the sensor to its charger.

3.2 Measurement guidelines

Vibrations measurements are typically performed with the machine operating under normal conditions. For example, when the machinery has reached its normal operating temperature and is running under its normal rated condition (at rated voltage, flow, pressure and load). For machines with varying speeds or loads, perform measurements at all extreme rating conditions, as well as at selected conditions within these limits.

Place the sensor's magnet on the machine's measurement point. When positioning the sensor, avoid greasy, oily, or wet surfaces, housing joints, panels, and non-structural parts. Select the optimal measurement point, specifically avoiding unloaded bearing zones and maintain consistency in sensor position, angle/alignment, and contact pressure.

If possible, choose a flat surface within the bearing's load zone. Measurements should be taken at the exact same location each time, as even slight changes in probe placement can result in significantly different vibration readings. To ensure repeatability, mark the measurement point with a permanent marker.

When taking measurements using an external cable and sensor, care must be taken not to move the cable during data collection.

Using the cable in conjunction with different external accelerometers may give different readings due to the variation in the accelerometers used. Measurements will also vary between the internal sensor and an external sensor. Be consistent by always using the same sensor for a particular measurement point, i.e. internal sensor or same external sensor.

3.2.1 Performing infrared temperature measurements

To ensure accurate non-contact infrared temperature measurements, keep the infrared sensor clean. The sensor features a small opening that can easily accumulate dirt, grease, or oil, potentially leading to inaccurate readings. If cleaning is necessary, gently wipe the opening using a cotton bud moistened with alcohol.

For proper functionality, the temperature sensor must be used with the magnet. Additionally, for optimal measurement accuracy, it is recommended to use the sensor on surfaces with a high emissivity coefficient. Surfaces with low emissivity may reduce the reliability of the readings.

4 Using the QuickCollect mobile app

The QuickCollect sensor can be used with the SKF QuickCollect or Enlight ProCollect apps. The operation of the QuickCollect app is described below, for details and guidance regarding the use of the Enlight ProCollect app refer to www.skf.com.

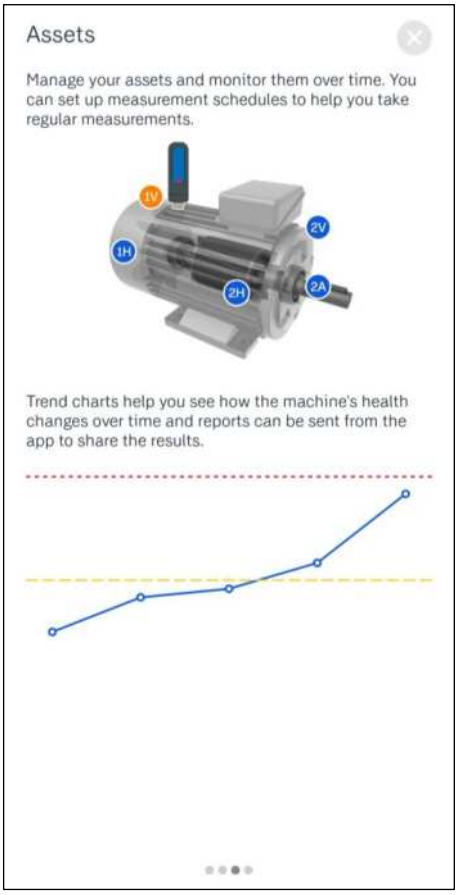
4.1 Download, install and launch the QuickCollect app

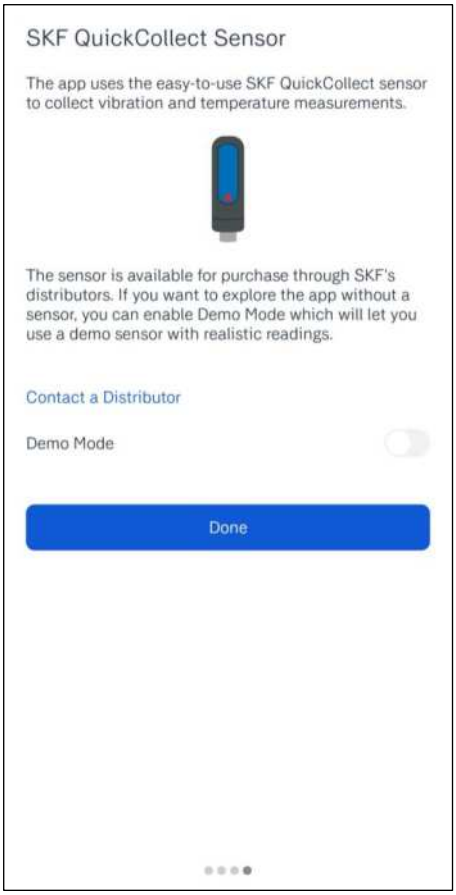
The QuickCollect app is compatible with **iOS** and **Android** and can be downloaded from the App Store or Google Play. Check the respective store for iOS and Android version compatibility.

Launching the QuickCollect for the first time

1. Tap the **QuickCollect** icon on the device. The welcome screen will appear.

2. Swipe left to read information about the key app features or tap the symbol to skip the welcome information and continue using the app.





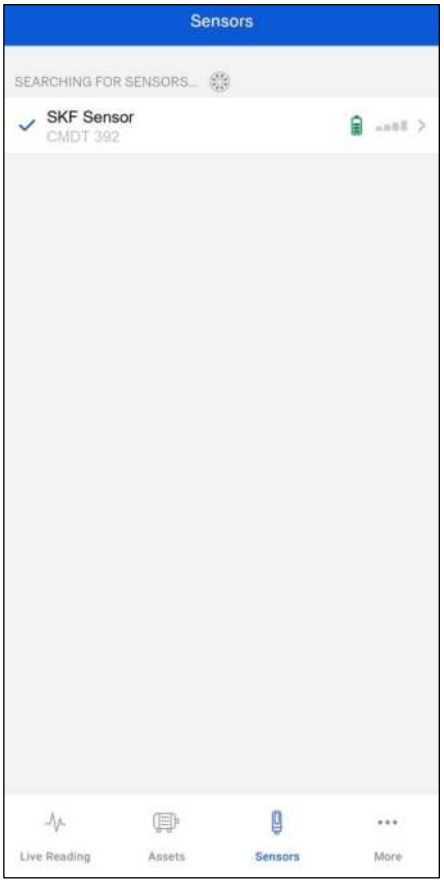
The app has three main views:

- **Live Reading**
- **Assets** and
- **Sensors**

To access them, tap on the respective icon at the bottom of the screen.

4.2 Connecting sensor

1. Power on the QuickCollect sensor.
2. Enable the Bluetooth on your mobile device.
3. Go to the **Sensors** view and tap the sensor you wish to connect to the app.



4. Once the app successfully connects to the sensor, a checkmark ✓, battery icon and signal strength indicator will appear in the sensor name field.
5. To view sensor details, tap on the sensor field.

4.3 Firmware update and sensor information

The QuickCollect Sensors CMDT 392 series support firmware updates through **FOTA** (Firmware Over-the-Air). Regular firmware updates may include security enhancements, performance improvements, and defect corrections.
SKF recommends keeping the QuickCollect sensor updated with the latest available firmware.

Note: The update firmware feature is **only supported** by the QuickCollect **CMDT 392** and **CMDT 392-Ex** sensors.

Note: Both the QuickCollect sensor and the mobile device used **must be fully charged** before performing firmware update.

Updating the firmware

1. Select the **Sensor tab** at the bottom of the screen.
2. Touch the desired Sensor entry to open the information screen.
   The sensor's serial number, model, firmware version, and battery status are displayed.
3. Select **Update Firmware** and follow the on-screen instructions to complete the update process.

During the update process, the LED indicators will display the following status:

- **Red** (**sequential blinking across all three LEDs**) – Indicates that a firmware update is in progress.

4.4 Live readings

When the sensor is connected, live readings are sent to the app. At this stage, the readings are neither saved nor linked to any asset.

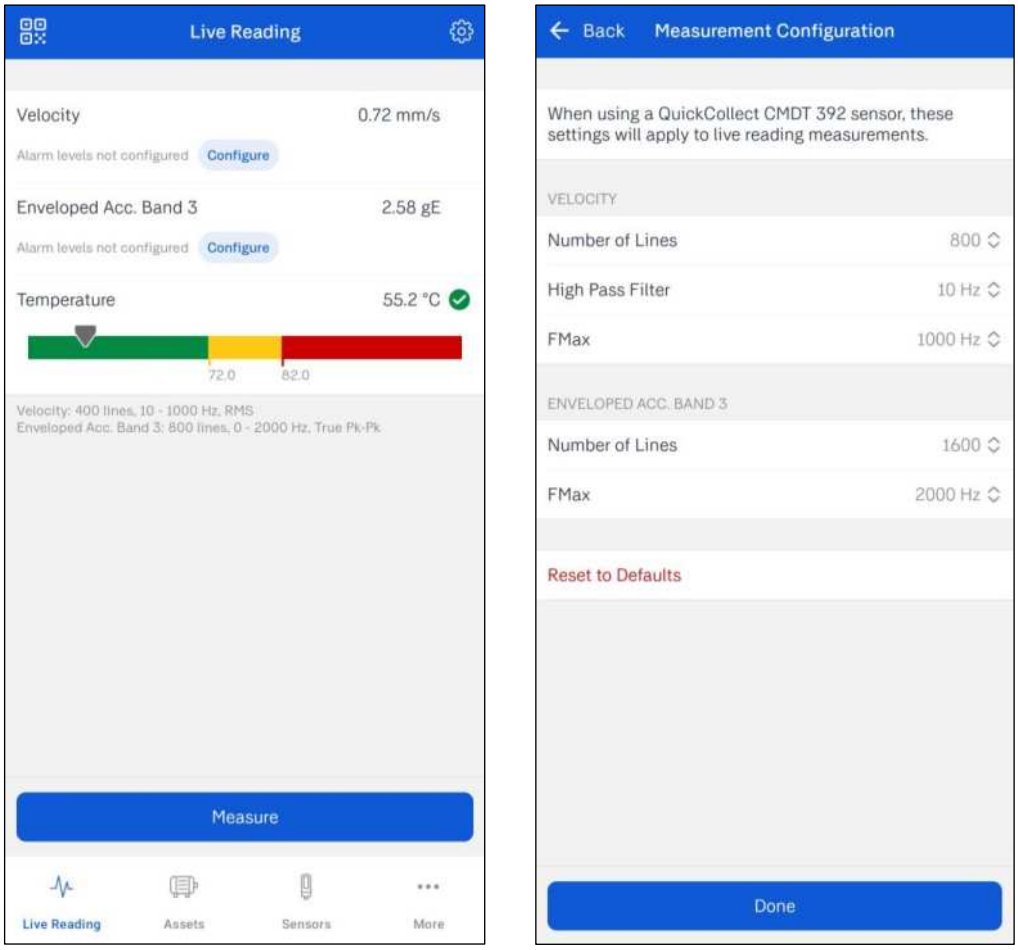


Figure 7 Live Reading view (left), Configuration Measurements (right) – Example

Tap the gear symbol  to open the **Alarm levels** view. In this view, you can view and edit the Alarm levels, configure measurements and **ISO** configuration.

To configure the measurements, scroll down and tap **Configuration**. This section provides access to advanced measurement settings for:

- **Velocity** and
- **Enveloped Acceleration Band 3**.

Note: Configuration measurements is **only supported** by the QuickCollect **CMDT 392** and **CMDT 392-Ex** sensors.

4.5 Adding assets

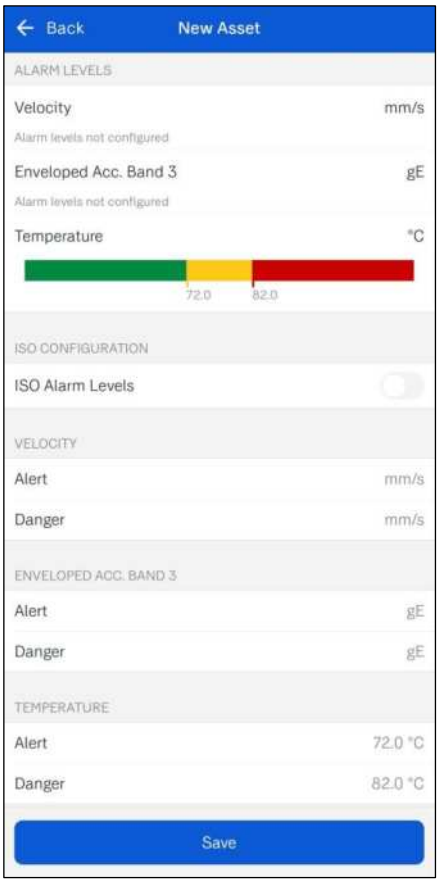
1. Tap **Assets** > **New Asset**.

2. In the **General** section

    a. Type a meaningful **Name**.
    b. Select **Asset type** from the available options.
    c. You can also **Add photo** either by taking one with the phone's camera or by adding them from the photo library.

3. In the **Measurement schedule** section, select an **Interval**. Once the selected interval has passed, the app will prompt you to take a new measurement.

    To search for a specific asset, tap the search icon in the asset view.
4. In the **Measurement locations** section, toggle off any locations that cannot be measured.



5. Tap **Continue** to enter the next view.

6. Use the **ISO configuration** levels for Velocity and Enveloped Acceleration, or disable the **ISO Alarm Levels** toggle to enter custom values manually.

7. Tap **Save** to save the asset.

4.6 Editing asset details

In the **Assets** view, tap on **asset field** > **Edit**. The following options are available:

- **Edit Asset** – Tap to edit and configure the asset parameters and information.

  Configure asset

  1. In the Assets view, tap the **asset field** > **Edit** > **Edit Asset** > **Continue** > **Configuration**.

  2. Select the desired configuration settings for **Velocity** and **Enveloped Acceleration Band 3**.

  To reset the sensor configuration tap **Reset to Defaults**.

- **Duplicate** – Tap to copy the asset information and use it to create a new asset of the same type.

- **Remove** – Tap to remove the asset from the app.

- **Create QR Code** – Generate a QR code for an existing asset to quickly locate it in the app.

  Creating QR-code

  1. From the **Assets** view, tap on an existing asset containing all necessary parameters to perform a measurement.

  2. Tap **Edit** > **Create QR Code**.

  3. Select an application on your mobile device to send the QR Code.

  4. Print the QR Code and attach it to the asset.

  Using assets QR Code

  1. In the **Asset** or **Live Readings** view, tap the QR code symbol in the top right corner to start the device's camera.

  2. Scan the QR code.

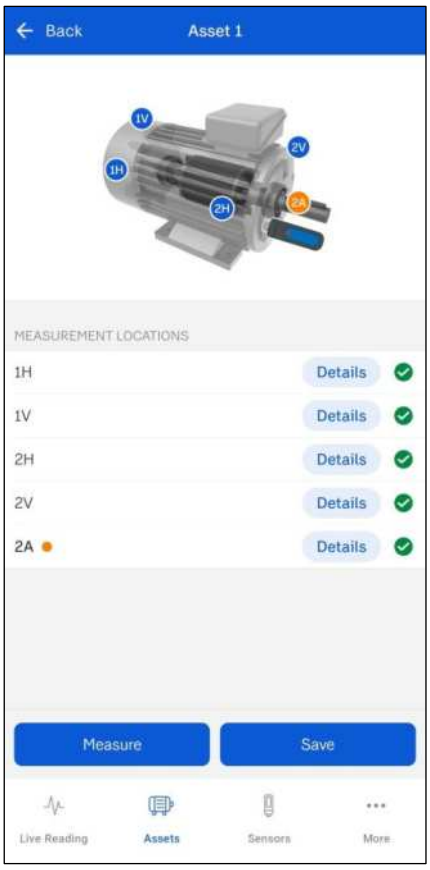
  3. Tap **Go to** *Asset name*.

  4. You can now perform measurements on this asset.

4.7 Taking measurements

Note: To communicate with a QuickCollect sensor, phone's **Bluetooth must be on**.

1. Ensure an asset has been added and selected and the sensor is connected to the app. See sections Connect sensor and Add asset.
2. When the sensor is connected, live readings appear in the **Live readings** view.
3. Tap **Asset** and either select an asset from the list or scan assets **QR code**. For more details, see section Add asset.
4. Tap **Measure**.
5. Tap **Current Speed** and enter the value. Machinery speed is optional but improves analysis and should be collected at the same time.
6. Tap **Continue**.
7. Place the sensor on a measurement location and tap **Measure**. Repeat the process for all measurement locations.
8. In the asset illustration, tap a location to select it. Place the sensor on that location, then tap **Measure** to take the measurement.



9. To view measurement details, tap **Details**.
10. To save the measurements, tap **Save**.

4.8 Reading the measurements

From the Live Readings tab

1. Tap **Start Live Measure** > **Measure**.
2. Readings for **Velocity**, **Enveloped Acceleration Band 3** and **Temperature** are visible on the screen.
3. To view the spectrum plots for **Velocity** and **Enveloped Acceleration Band 3**, tap **View Spectrum**.

Each reading displays a current overall measurement, including alarm status as well as alert and danger thresholds.

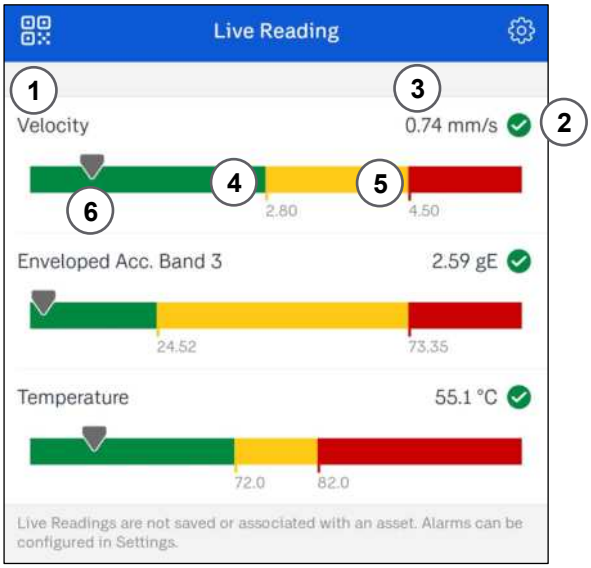


Figure 8 Live Reading measurement - Example

1. Reading category
2. Alarm status
3. Overall value
4. Alert threshold
5. Danger threshold
6. Current reading

From the Assets tab

1. Tap asset name.
2. Tap **Measurements**.
3. Tap a measurement location to view graphical plots of recent measurements.
4. Tap **Trend** to view the trend plots. The five most recent measurements are always displayed.

5. Tap **Spectrum**, to view the spectrum plots. The five most recent measurements are always displayed.

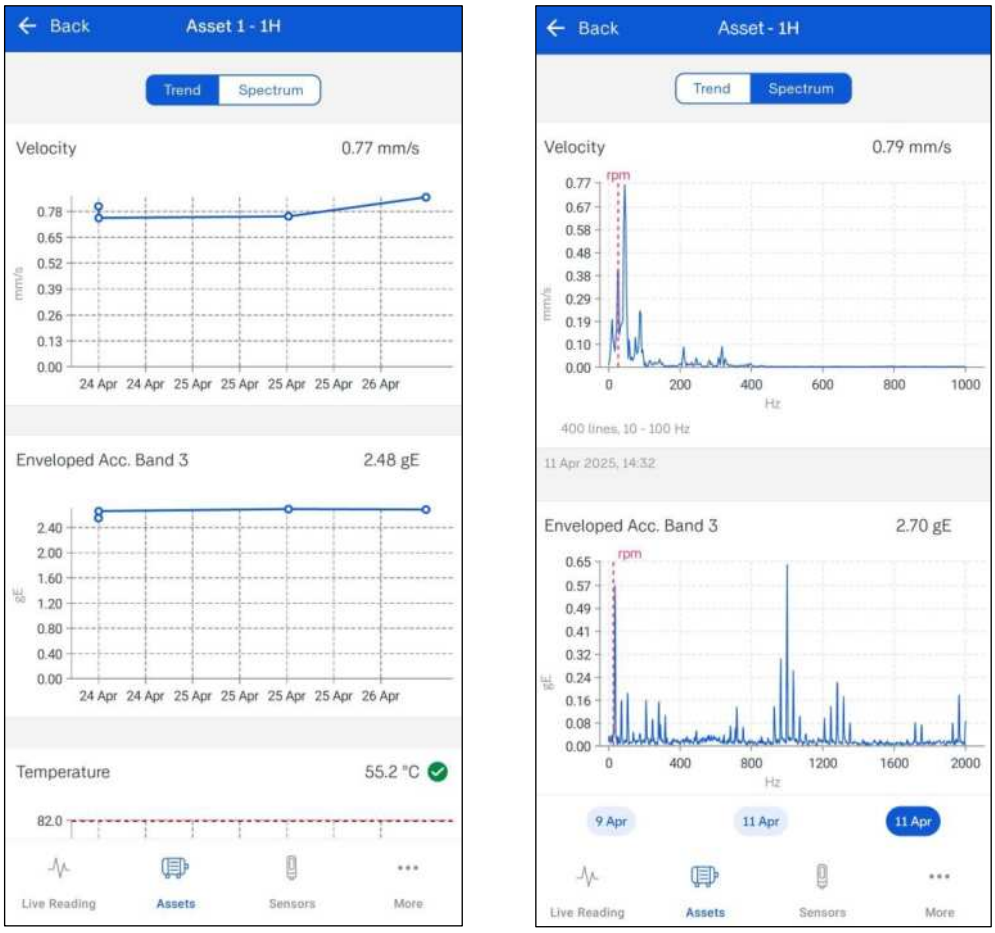


Figure 9 Trend and Spectrum plots - Example

In the spectrum plot, the operating speed in **rpm** entered for the asset is displayed as a dashed red reference line.

The measurement configuration used is presented beneath the spectrum plot.

Review the plot data and tap **Back** to return to the **Measurement Results** screen.

Sending an email report of the measurement results:

1. In the **Assets** view, tap **Send Report** and select the email application you want to use.

2. QuickCollect generates an email with the current measurement results attached as **PDF** or .**CSV** files. Send the email through your selected email application.

Figure 10 SKF QuickCollect report - Example

4.9 Configuring app settings

At the bottom of the screen, tap **More** to open the settings view where various settings and information are available.

- Select **Unit System** as **Metric** or **Imperial**.
- **Support** information and view the introduction presentation.
- **Legal information**.
- **Version** of the application.
- **Demo Mode** uses realistic data to demonstrate QuickCollect measurement functionality without requiring a connection to a QuickCollect sensor.

Appendix A Limited Warranty

SKF – Limited Warranty

Download the latest version from www.skf.com