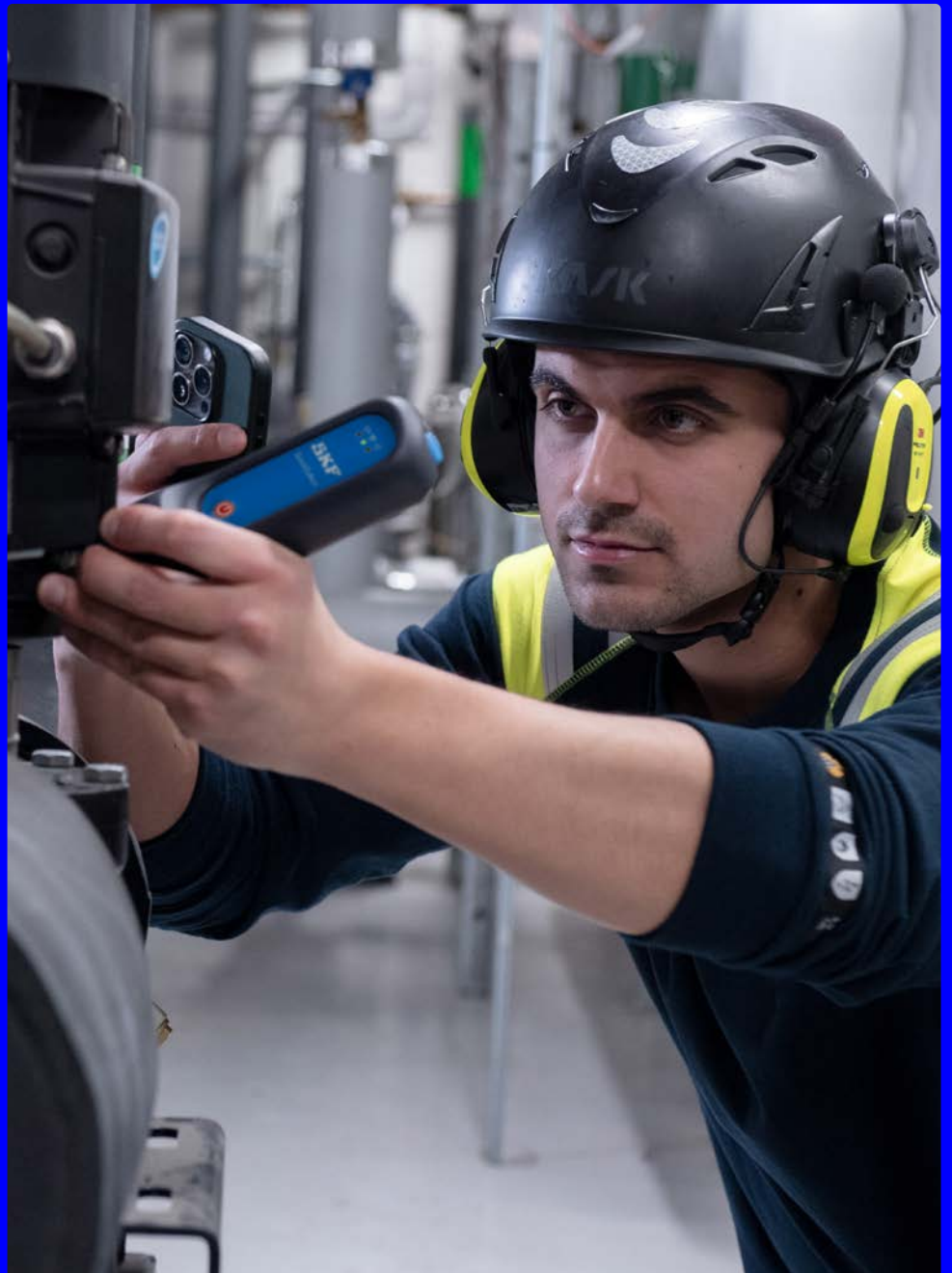


**SKF**

# SMART MACHINE MONITORING

SKF QuickCollect



# A better overview of machine health from day one



The new improved QuickCollect CMDT 392 sensor is an easy-to-use, Bluetooth-enabled, handheld sensor that connects to iOS and Android apps on your tablet and smartphone.

Combining vibration and temperature sensing, over-all data can be viewed on the spot in real-time or pushed to the cloud for future analysis. The system is so intuitive that you can start using it in no time.

The QuickCollect CMDT 392 sensor is typically up to 4 times faster than the previous sensor series, saving you time spent on taking measurements.

## The fast track to predictive maintenance

With SKF QuickCollect, anyone can monitor machine health without extensive training or diagnostic expertise. A rugged sensor with mobile apps lets you quickly and easily identify your machine's condition. You can then share inspection, process and machine health data company-wide.

You can also connect with SKF's remote diagnostic centres for expert analysis and advice.

- An intuitive user interface to get started quickly
- Quickly identify developing rotating machinery issues before they become problems
- Expand functionality via apps to grow and complement your existing maintenance program
- Cost-effective and scalable entry-point for reliable rotation

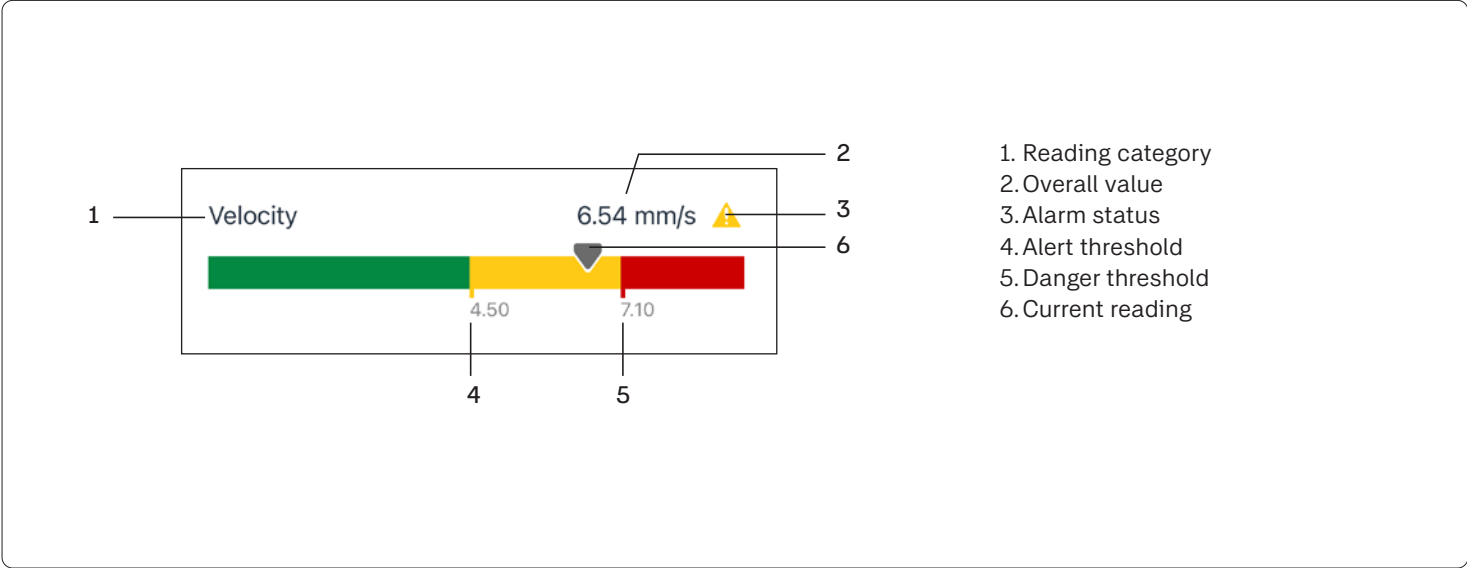


# Machine monitoring made easy

## Measurements on your device

View velocity, bearing condition and temperature on an SKF QuickCollect app on your mobile device. Each reading displays an overall measurement, including alarm status, minimum and maximum values, and alert and danger thresholds.

- Predefined 3-in-1 overall measurements that include velocity, enveloped acceleration and temperature
- Bluetooth communication with tablets and smartphones
- Apps for both iOS and Android devices



### Made for industrial demands

The SKF QuickCollect sensor CMDT 392 is ideal for service, reliability, operations, or maintenance personnel as part of a walk-around data collection program.

- Water and dust-resistant (IP65) rugged design, proven in a drop test from 2 m (6.6 ft)
- Rechargeable lithium battery that lasts a full working day in normal usage

### For hazardous area

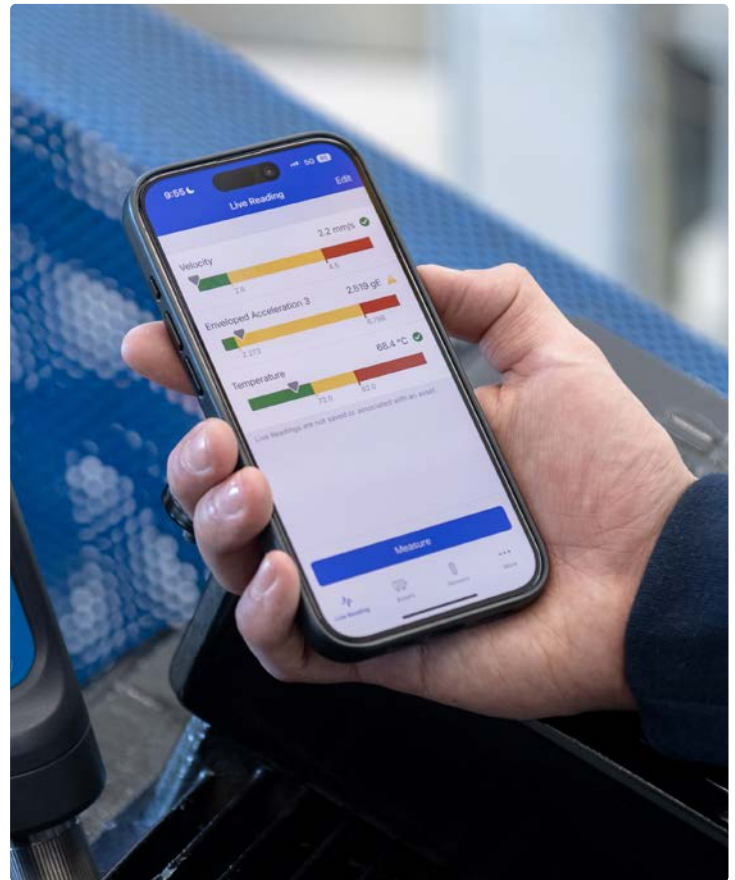
SKF QuickCollect CMDT 391-EX is approved for use in ATEX, IECEx and NEC hazardous-rated environments.



### Controls and indicators

1. Power on and off
2. Battery charge status – green or red
3. Communication status – green or red. Indicates an active app connection or firmware update.
4. Error condition status – green, red or amber

Scan QR-code  
find out more!



## SKF QuickCollect apps

Use the SKF QuickCollect CMDT 392 sensor with the SKF QuickCollect or SKF ProCollect apps. They both provide colour-coded live readings, asset management and access to historical data. The SKF Enlight ProCollect app adds customisability, synchronisation with SKF Enlight Centre – a software solution for connecting directly to SKF remote diagnostic services – and access to SKF Cloud and remote SKF diagnostic experts.



SKF QuickCollect App



SKF Enlight ProCollect App

	SKF QuickCollect App	SKF Enlight ProCollect App
Live readings designed for quick checks of machine status	●	●
Colour coded machine based on ISO standards	●	●
Asset management to ensure more consistent checks of machinery status	●	●
View historical data while in front of an asset	●*	●
Customised forms for inspection and process data collection	—	●
Synchronise with SKF Enlight Centre where your long-term data can be analysed	—	●
Access SKF Cloud and remote SKF diagnostic experts	—	●
Fee based subscription service	—	●

\* Up to 5 historical measurements can be saved per asset

## Sensor specifications

### Environmental, regulatory and physical

Operating temperature range	-20 to +60 °C (-5 to +140 °F)
Storage temperature range	-20 to +45 °C (-5 to +115 °F)
	Battery lifetime can be affected by exposure during a long period of time to extreme temperatures mentioned above. In that case, it is recommended to recharge the battery before any measurement.
Charging temperature, range (sensor/charger)	0 to 40 °C (32 to 105 °F)
Humidity	95% non-condensing
Altitude	Up to 2 000 m (6 560 ft)
Drop test	2.0 m (6.6 ft), CMDT 392 and CMDT 391-EX in accordance with ANSI 12.12.03.
Sensor IP rating	IP65 (Dust and water ingress protection testing standard.)
Country certification	Europe (CE), USA (FCC), Canada (IC) both for CMDT 392 and CMDT 391-Ex
Dimensions	45 x 45 x 135 mm (1.8 x 1.8 x 5.3 in.)
Mass	220 g (7.8 oz)

### Power

Sensor power source	Rechargeable lithium battery, 3.7 V DC, 0.45 Ah
Battery lifetime	A full working day under normal usage reducing to half a working day when an external sensor is being used.
Charger	Input 100 to 240 V AC, 0.4 A, 47 to 63 Hz


### 3-in-1 measurements and analysis


Overall velocity	10 Hz to 1 kHz, up to 55 mm/s, RMS, Resolution: 800 lines for CMDT 392 and 400 lines for CMDT 391-EX
Bearing condition	SKF Enveloped acceleration, gE Band 3, 1.4 Hz to 2000 Hz, up to 20 gE true Peak-to-Peak, Resolution: 1600 lines for CMDT 392 and 800 lines for CMDT 391-EX
Temperature	Built in (IR) sensor, capable of measuring outside operating temperature range and up to 100 °C for short periods.



### Agency approvals for hazardous area

CMDT 391-Ex with CMAC 8010-Ex cable

 Ex ib IIC T4 Gb -20 °C ≤ Ta ≤ +60 °C  
US Class I, Zone 1, AEx ib IIC T4 Gb -20 °C ≤ Ta ≤ +60 °C IS Class I, Div. 2, Group A, B, C, D, T4

 Ex ib IIC T4 Gb -20 °C ≤ Ta ≤ +60 °C

## Ordering Information

### Standard kits

#### CMDT 392-K-SL includes:

1 pcs CMDT 392 sensor  
 1 pcs CMAC 109 magnet  
 1 pcs CMAC 8004 power supply

#### CMDT 392-PRO-K-SL includes:

As CMDT 392-K-SL plus:  
 1 pcs CMAC 8010 accelerometer cable  
 1 pcs CMSS 2100 accelerometer  
 1 pcs CMAC 3715 BNC adaptor  
 1 pcs CMAC 8011 carry case

### Hazardous area kits

#### CMDT 391-EX-K-SL includes:

1 pcs CMDT 391-EX sensor  
 1 pcs CMAC 109 magnet  
 1 pcs CMAC 8007 power supply

#### CMDT 391-EX-PRO-K-SL includes:

As CMDT 391-EX-K-SL plus:  
 1 pcs CMAC 8010-EX accelerometer cable  
 1 pcs CMSS 786A-IS accelerometer  
 1 pcs CMAC 3715 BNC adaptor  
 1 pcs CMAC 8011 carry case



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