

SKF Pulse[™] Your entry point to predictive maintenance.

SKF Pulse combines an easy-to-use, portable sensor with a free mobile app for iOS and Android to monitor machine health and quickly identify machinery issues before operations are impacted. Acting as a smart vibration tool, the sensor transmits wirelessly to the SKF Pulse app, instantly providing intuitive machine diagnostics.

Machine monitoring made easy.

- **Easy-to-use, portable** sensor and a free mobile app
- Easy start-up with no prior training or experience needed
- Quickly monitors machine health and helps identify machinery issues before operations are impacted
- **Instant feedback** from vibration and temperature measurement
- In-app SKF Pulse™ Checks provide expert analysis, advice and diagnostic reports from SKF
- All at a cost-effective price point no need to make the case for capital expenditure

Sensor features (CMDT390-K-SL):

- Velocity, acceleration and temperature measurements
- Bluetooth® communication with iOS and Android devices
- Rugged, industrial design: drop test at 6 ft (1.8 m), water- and dust-resistant (IP65)
- Rechargeable lithium battery (8 hours with normal usage)
- One year warranty covering manufacturing defects
- Two year calibration certificate



Part #: CMDT390-K-SL

Sensor controls and indicators:

- 1 Power button –
 Powers the sensor on and off
- 2 Battery LED (green, red) Indicates status of battery charge
- 3 Communication LED (green, red) Indicates sensor connection status to app and when firmware updates are in progress
- 4 All-purpose check LED For future use



For more information, contact your SKF Representative or visit skfusa.com/skfpulse.

Technical specifications for CMDT 390-K-SL

Regulatory specifications

IP rating IP 65, dust and water ingress

protection testing standard

Radio approvals Europe (CE), USA (FCC), Canada (IC)

CE mark CE approved

Measurement range

Overalls

Velocity 10 Hz to 1 kHz up to 2.17 in/s (55mm/s)

Recommended speed range:

600 rpm - 3600 rpm

Bearing condition SKF patented envelope acceleration

up to 20 gE

FFT

Maximum frequency Velocity 1 kHz, enveloped

acceleration 2 kHz

Lines of resolution Velocity 400, enveloped

acceleration 800

Detection type Velocity RMS, enveloped

acceleration true peak to peak

Temperature Capable of measuring outwith

standard temperatures range up to

212°F (100°C) for short periods

Power

Main power Rechargeable lithium battery,

3.7 V DC, 0.14 A

Battery lifetime Eight hours with normal usage

Manual power off: Press and hold power button for 3+ seconds Auto power off: After 15 minutes

of no activity

MAINS supply Varies up to ±10% of the nominal voltage, charger voltage, TRANSIENT OVERVOLTAGE

CATEGORY II; POLLUTION DEGREE 2

Charger Input 5 V DC ±10%, 1 A

AC adapter Input 100 to 240 V AC, 0.4 A, 47 to 63 Hz

Output 5 V DC, 1.6 A

Environmental

Storage temperature -5 to +115 °F (-20 to +45 °C) for

less than one month

-5 to +95 °F (-20 to +35 °C) for

less than six months

Operating temperature, 32 to +105 °F (0 to +40 °C) for charging

-5 to +140 °F (-20 to +60 °C)

for discharging

Operating temperature, 32 to +105 °F (0 to +40 °C)

charger

Altitude Up to 6,560 ft (2,000 m)

Humidity 95% non-condensing

Physical

Case Water and dust resistant (IP65)
Drop test 6 ft (1.8 m) in accordance with

MIL-STD-810G

Dimensions 1.8 x 1.8 x 5.3 in (45 x 45 x 135 mm)

Weight 7 oz (200 g)

SKF Pulse includes

Pulse sensor CMDT-390-K-SL (includes charger, magnet

CMAC 8004

and rubber boot)

2-year calibration certificate Instructions for app download

Ordering information for spare parts, if required

Charger, international

DC power supply

Magnet CMAC 8009



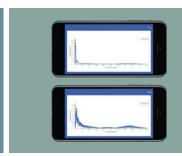
Measure vibration and temperature



Monitor asset health



On-the-spot access to SKF experts



Data collection graphs

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