

SKF Electric Motor Assessment kit

CMAK 200-SL

For evaluation of electric motor bearings and general machine health

A fitting bundle of two measurement devices for electric motors and other industrial assets, the SKF Electric Motor Assessment kit makes the evaluation of electric motor bearings and general machine health simple.

Features

- Inspect and assess electric motor machine condition
- Measures:
 - Overall machine health
 - Bearing condition
- Safely detect electrical discharges in electric motors
- Ideal for novice and expert users

Multi-parameter measurements for electric motors

SKF Machine Condition Advisor CMAS 100-SL

The SKF Machine Condition Advisor (MCA) simultaneously measures machine vibration signals, specifically velocity, enveloped acceleration and temperature to indicate machine health and bearing condition.

For additional information on this instrument included in the kit, please refer to the previous, respective section.

SKF Electric Discharge Detector Pen TKED 1

The SKF Electric Discharge Detector Pen (EDD Pen) is a simple to use, handheld instrument that provides a unique, reliable and safe way to detect electrical discharges in electric motor bearings.

Electrical discharges are a result of motor shaft voltages discharging to earth through the bearing, causing electrical erosion, lubricant degradation and ultimately bearing failure.



Electric motors are more vulnerable to suffer electrical erosion in bearings when controlled by a variable frequency drive. When incorporated in a predictive maintenance program, the EDD Pen can help detect bearings that are more susceptible to failure, and can help to significantly prevent unplanned machine downtime.

- Unique remote solution allows operation at a distance from the motors, which protects the user from touching machinery in motion
- No special training required
- Capable of detecting electrical discharges on a time base of 10 seconds, 30 seconds or indefinite
- LED backlit screen allows use in low light environments
- IP 55 can be used in most industrial environments

Specifications

- Power supply: 4,5 V, 3 × standard AAA batteries (LR03, AM4)
- Time control:
 - Presets: 10 or 30 seconds
 - Default: Infinite
- Operational temperature: 0 to 50 °C (30 to 120 °F)
- Storage temperature: -20 to +70 °C (-5 to +160 °F)
- Ingress protection level: IP 55
- Display – LCD counter range: 0 to 99 999 discharges
- User selectable backlight and low battery warning
- Dimensions:
 - Length: 203,2 mm (8.0 in.)
 - Width: 48,3 mm (1.9 in.)
 - Depth: 20,3 mm (0.8 in.)
- Weight: 105 g (3.7 oz.)

SKF Machine Condition Advisor



SKF EDD pen

