

Sales guide for the new SKF Machine Condition Advisor

Measures vibration and temperature to make
machine monitoring simple.



Introducing the new SKF Machine Condition Advisor CMAS 100-SL

The new SKF Machine Condition Advisor is a stand-alone condition monitoring instrument that integrates the features of the successful SKF Vibration Pen series and adds substantial features and improved specifications with the size and convenience of a vibration pen.

With this tool, your customers will be able to:

- Take velocity measurements to monitor the health of their machinery and detect conditions such as imbalance or misalignment.
- Measure Enveloped Acceleration which can indicate bearing damage at very early stages or detect a serious situation such as under-lubrication.
- Check for elevated temperatures that may indicate friction from bearing or lubrication failure.

Measurements are performed simultaneously and are automatically compared to ISO standards and established bearing guidelines for various types of equipment. An "Alert" or "Danger" alarm indicator displays when measurements exceed guidelines, providing on-board judgment help. This feature increases confidence for novice users or facilities just beginning a predictive maintenance program. More established maintenance programs can use the MCA to quickly expand their existing programs.

SKF anticipates that this feature-rich, value-priced, Machine Condition Advisor will be suitable for many applications with your customers and provide an opportunity for you to add value in the supply chain and meet your customers needs.

Who uses and buys the SKF Machine Condition Advisor?

The SKF Machine Condition Advisor is a tool that can be used in virtually every industry as well as for service providers who perform vibration monitoring on an outsourced basis.

- Existing Vibration Pen or VibPenPlus users
- Plant maintenance personnel in any industry starting a predictive maintenance program or in need of an easy-to-use device for quick assessment on machinery status
- Companies that want to equip machinery operators with a simple instrument as a first line defense against machinery breakdowns
- Existing SKF condition monitoring customers who want to add the capability of repeatable measurements that are comparable with other SKF devices

Key design features you can share with your customers

Rugged and ergonomic design

- IP 54 rating for industrial environments
- 2 meter drop test
- Over-molded, hard plastics for durability

Multiple measurements:

- Velocity
- Enveloped acceleration
- Infrared temperature

Pre-programmed alert and danger ISO values

Customizable:

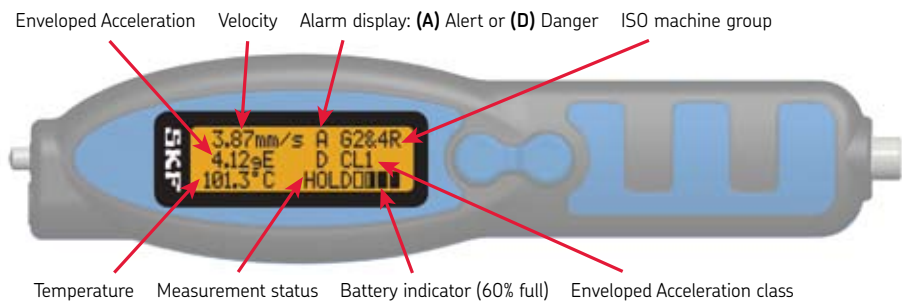
- Imperial (English) or metric measurement units
- Language selection

Enhanced measurement screen:

- High contrast LCD creating a bright backlit display
- Wide angle view

Sustainable, rechargeable batteries allowing 10 hours of operation

Port for optional, external sensor for hard to reach places

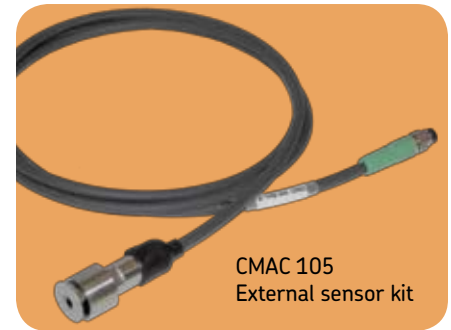


LCD display in measurement mode

Need additional product feature and benefit information?

SKF has developed a two-page sell sheet explaining the features, benefits and functionality of the new SKF Machine Condition Advisor (publication #6923 US) for your use. You can order this through your SKF Territory Manager or SKF Customer Service (800-753-3477).

A four-page technical data sheet (CM2387 EN) is also available in an electronic PDF format and can be found on the SKF Distributor Community along with additional resource information on the launch of the SKF Machine Condition Advisor. Please contact your SKF Territory Manager or SKF Customer Service (800-753-3477) for details on how to access SKF Distributor Community if you do not already have access.



SKF Machine Condition Advisor units and demonstration kits

Model Number	Description
CMAS 100-SL Standard SKF Machine Condition Advisor kit	<ul style="list-style-type: none"> • SKF Machine Condition Advisor unit • Charger with International DC power supply • Charger adapter, cable, 4 inches, connector (6 pin, M8) to 5.5mm power • Belt holster • Printed users manual • Product CD containing: <ul style="list-style-type: none"> - Electronic copy of the users manual - Advisor Trend, Excel® file to help trend vibration and temperature data - Links to SKF RMI website for free MCA online training - Reliability Systems catalogs and product registration
CMAS 100-SD-SL Sales demonstration kit	<ul style="list-style-type: none"> • (1) CMAC 100-SL Advisor kit • Accelerometer with integral cable & magnet • USB Memory Stick in shape of the SKF Machine Condition Advisor (preloaded with PDFs of promotional materials) • Battery operated, handheld fan to demonstrate vibration measurement while operating
CMAS 100-SD-11 Bundle offer	Buy 10 SKF Machine Condition Advisor kits, get 1 Sales demonstration kit free: <ul style="list-style-type: none"> • (10) CMAS 100-SL Advisor kits • (1) CMAS 100-SD-SL Sales demonstration kit

SKF Machine Condition Advisor accessories

Model Number	Description
CMAC 105	External sensor kit, 100 mV/g accelerometer with 1.5 m integral cable and magnet
CMAC 107	Connection cable, 1.5M with M8 socket type connector for standard ICP 100 mV/g accelerometer (ICP: integrated circuit piezoelectric)

SKF Machine Condition Advisor replacement parts

Model Number	Description
CMAC 101	Charger adapter, 4 inch cable
CMAC 109	Holster, black leather with SKF logo
CMAC 8002	Charger, International DC power supply



For technical support, contact: TSG-Americas@skf.com

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