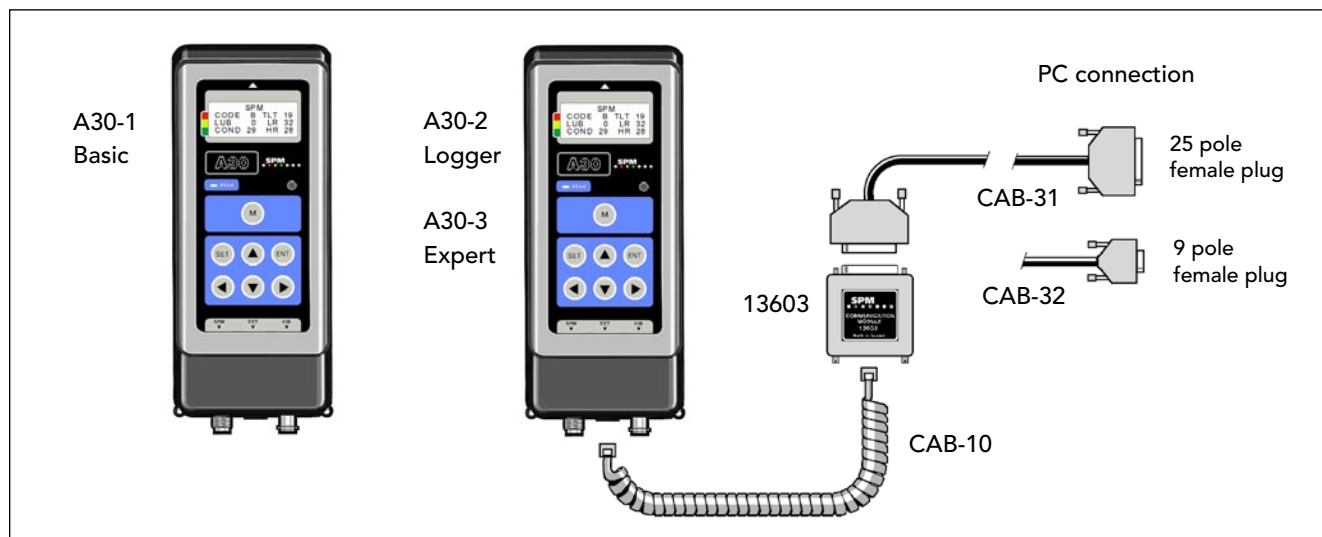


Machine Condition Analyzer A30



A30 is a machine condition analyzer designed for a reliable preventive maintenance of industrial machines. A30 is available in three versions. With "Basic", measuring results are recorded manually. "Logger" is a data logger and works together with SPM software Condmaster®. "Expert" has all the logger features. In addition, it uses the EVAM® method for vibration analysis. A "Basic" version can be upgraded to "Logger" and "Expert".

Measuring techniques and other features	Analyzer A30		
	Basic	Logger	Expert
Shock pulse, LR/HR	●	●	●
Vibration severity, ISO 10816	●	●	●
Temperature measurement	●	●	●
Speed, contact and optical	●	●	●
Continuous reading	●	●	●
Data logging with Condmaster®		●	●
Measuring point identification with CondID®		●	●
Alternative measuring systems		●	●
Selectable comments		●	●
Display of check points		●	●
Long time recording		●	●
Vibration spectrum			●
Evaluated vibration analysis (EVAM)			●

Instrument specifications

General features: language selection, battery test, continuous reading, transducer line test, automatic idle / power off

Temperature range: 0 to 50 °C (32 to 120 °F)

Power supply: 6 x 1.5V LR6 alkaline cells

Battery life: power down 1 year, or 5000 typical measurements, or continuous recording 50 hours

Size: 255 x 105 x 60 mm (10 x 4.2 x 2.4 in)

Weight: 0.85 kg (1.9 lb.)

Casing / protective cover: ABS / polyurethane

Keypad: sealed membrane

Display: LCD, 4x16 characters, LED backlight, adjustable, automatic on/off

Memory: typical 500, max. 999 meas. points

Backup, memory/clock: approx. 24 hours

Meas. point identification: read and write to CondID®

Reading distance: max. 50 mm

Shock pulse (SPM® LR/HR)

Measuring range: -19 to 99 dBsv
 Resolution: 1 dBsv
 Accuracy: ± 1 dBsv

Vibration severity (ISO 10816)

Measuring range: 0.5 to 49.9 mm/s RMS
 (0.02 to 2.0 in/s RMS)
 Resolution: 0.1 mm/s (0.01 in/s)
 Accuracy: ± (0.2 mm/s + 2% of reading)
 Frequency range: 3 to 1000 Hz

Speed measurement

Measuring range: 10 to 19 999 rpm optical
 Measuring distance: max. 0.6 m (2 ft.)
 Resolution: 1 rpm
 Accuracy: ± (1 rev. + 0.1% of reading)

Temperature measurement

Measuring range: -50 to +440 °C (-58 to 824 °F)
 Resolution: 1 °C (1 °F)

Alternative measuring systems

No. per meas.point: 2
 Additional information: date / time and comments

Long time recording

Measuring parameters: SPM, VIB, temperature/speed
 Measuring interval: adjustable 0 to 60 minutes

Vibration analysis (EVAM®)

Window: Hanning
 Number of samples: 1024 / 2048
 FFT result: 400 / 800 spectrum lines
 Range, resolution at 400 / 800 lines: 3 to 200 Hz, 0.5 / 0.25 Hz
 3 to 500 Hz, 1.25 / 0.625 Hz
 3 to 1000 Hz, 2.5 / 1.25 Hz
 3 to 2000 Hz, 5.0 / 2.5 Hz
 3 to 5000 Hz, 12.5 / 6.25 Hz
 Lines displayed: 15 highest, toggle Hz / cpm
 Lines saved: 1 to 200 highest

