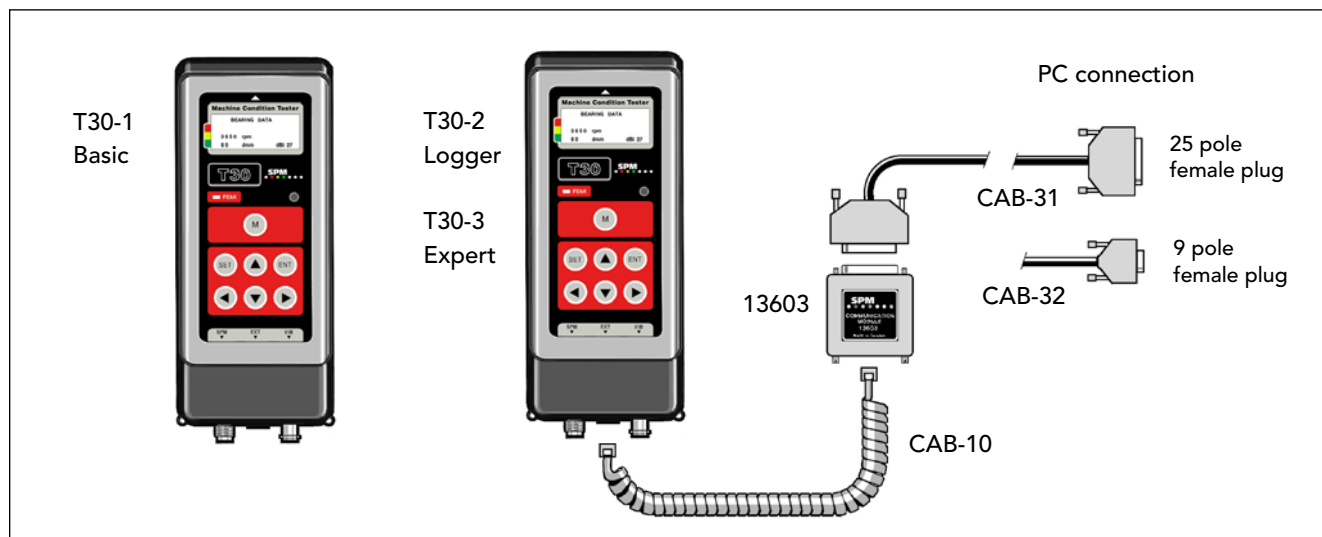


Machine Condition Tester T30



T30 is a machine condition tester designed for a reliable preventive maintenance of industrial machines. T30 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	Tester T30		
	Basic	Logger	Expert
Shock pulse, dBm/dBc	●	●	●
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:	255x105x60 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® dBm/dBc)

Measuring range:	-9 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

