

HANDHELD SMART VIBRATION CHECKER — PCH 4050

FINALLY vibration measurements have become cheap and easy to handle.

Finally it's here. The simple, cheap and yet precise Vibration checker PCH4050 for monitoring uncomplicated machines.

What can go wrong in a Fan, a Pump or an Electric motor? There are a number of possibilities, however three of the major possibilities are Unbalance, Misalignment and bearings, all being very destructive for a machine.

If a machine is allowed to run with an unbalance, a misalignment, eccentricity or even with a bent shaft. This will cause extra stress on the bearings and thereby reduce their lifetime. Also these machine destructive problems result in an increasing power consumption. If a machine runs for just 8 hours a day this can have a heavy impact on running cost, not to say what the impact would be if the machine runs for 24 hours a day.

With the PCH 4050 it is now just as easy and cheap to check unbalance and bearing errors as checking the temperature.

Monitoring of e.g. the level of imbalance of the grinder or spindle on a CNC machine or other material handling machines can improve production quality considerably. This can be done by using the vibration level as an indicator. One benefit could be higher acceptance rates. PCH4050 gives you this important information.



Vibration Checker Type PCH 4050

The Vibration Checker PCH4050 is easy to use and it is no problem to change between bearing measurements, which are normally done as an acceleration measurement in the high frequency area, 1kHz to 15kHz and normal measurement of unbalance and misalignment, normally done in compliance with the ISO 10816 standard as a velocity measurement in the 10 to 1000Hz frequency band. Furthermore the Vibration Checker also measures displacement.

SPECIFICATIONS	PCH 4050
Max. measuring range: Acceleration Velocity Displacement	0,1– 199,9m/s ² (Peak) 0,01-19,9cm/s (RMS) 0,001-1,999mm (PP)
Measuring parameter: Acceleration Velocity Displacement	A: m/s ² V: cm/s D: mm
Bandwidth: Acceleration Velocity Displacement	10Hz - 1000Hz 1kHz - 15kHz 10Hz - 1000Hz 10Hz - 1000Hz
Accuracy:	+/- 5% reading + 2 digits
Display	3,5 digits LCD
Power supply	9V battery
Weight	App. 250 grams
Housing	Hard plastic, metal sensor

