

SVAN 946

Vibration Meter & Analyser

The SVAN 946 is all digital, Type 1 vibration meter and analyser. It is intended to general vibration measurements, machinery condition monitoring, occupational health and safety monitoring. It can be used by consultants, maintenance services, in industry R&D departments etc.

Three vibration "profiles" can be measured in parallel with independently defined filters and RMS detectors time constant (concurrent acceleration, velocity and displacement measurement is possible).

Machine rotation speed could be optionally measured in parallel to the vibration measurements.

Time history for all profiles is recorded in the large memory buffer.

Using computational power of its built in digital signal processor the SVAN 946 can optionally perform real time 1/1 & 1/3 octave or FFT analysis (in parallel to the acceleration, velocity and displacement measurements) and perform Human Vibration measurements according to the ISO 2631-1 standard (with W-Bxy, W-Bz, W-Bc and H-A weighting filters).

The balancing of the rotating mass is another option for the SVAN 946 instrument.

Measurement results can be stored in large (3 MB), non-volatile memory and easy downloaded to any PC using the RS 232 interface and SvanPC software. Thanks to built in rechargeable battery and robust, lightweight construction, the SVAN 946 can be used in hard environmental conditions over the workday.

FEATURES

- vibration measurements with Type 1 accuracy (ISO 8041)
- parallel acceleration, velocity and displacement measurements
- built in "machine filter" (10 Hz – 1 kHz) meets ISO 10816
- 1/1 and 1/3 octave real time analysis
- (optional)
- FFT real time analysis (optional)
- rotation speed measurement parallel to the vibration measurement (optional)
- balancing of the rotating mass (optional)
- Human Vibration measurement (optional)
- internal buffer for logging more then 24 h of 1 sec RMS / Peak results (3 MB non-volatile memory)
- easy operation
- RS 232 interface
- built in rechargeable battery (operational time >8 h)
- handheld, robust case
- light weight (only ca 500 gram)



