

## **SPM-T30 Machine Condition Monitor – Technical Specifications**

### **Shock pulse (SPM® LR/HR)**

- Measuring range: – 9 to 99 dBsv
- Resolution: 1 dBsv
- Accuracy:  $\pm 1$  dBsv

### **Vibration severity (ISO 10816)**

- Measuring range: 0.5 to 49.9 mm/s
- RMS Resolution: 0.1 mm/s
- Accuracy:  $\pm (0.2 \text{ mm/s} + 2\% \text{ of reading})$
- Frequency range: 3 to 1000 Hz

### **Vibration analysis (EVAM®)**

- Window: Hanning
- Number of samples: 1024 / 2048
- FFT result: 400 / 800 spectrum lines
- Frequency range: 3 to 5000 Hz
- Lines displayed: 15 highest, toggle Hz / cpm
- Lines saved: 1 to 200 highest

### **Speed measurement**

- Measuring range: 10 to 19 999 rpm optical
- Measuring distance: max. 0.6 m
- Resolution: 1 rpm
- Accuracy:  $\pm (1 \text{ rev.} + 0.1\% \text{ of reading})$

### **Temperature measurement**

- Measuring range: -20 to +350 °C
- Resolution: 1 °C

### **Instrument specifications**

- Temperature range: 0 to +50 °C
- Power supply: 6 x 1.5 V LR6 alkaline cells
- Battery life: power down 1 year, or 5000 readings, or 50 hours recording
- Instrument size: 255 x 105 x 60 mm
- Weight: 0.85 kg Casing / cover: ABS / polyurethane
- Keypad: sealed membrane
- Display: LCD, 4x16 characters, LED backlight
- Memory: typical 500, max. 999 points
- Backup, memory/clock: approx. 24 hours