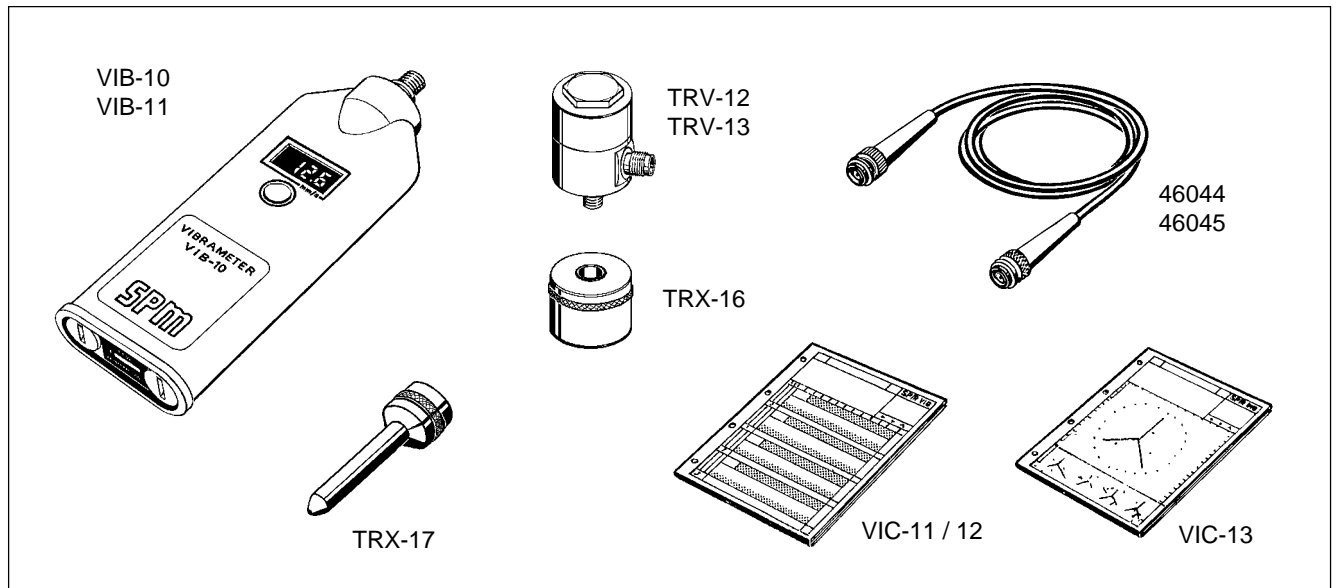# Vibrameter VIB-10 / VIB-11

Vibrameter VIB-10 (VIB-11) has been designed as a simple diagnostic tool for preventive maintenance. The instrument and the monitoring technique are based on the recommendations of ISO and the equivalent national standard organizations BS, VDI, etc.

These standards make the assumption that limited information, obtained easily and at a low cost, is often as useful as a detailed analysis at the price of expensive equipment and elaborate techniques. They state that it is possible to detect even minor changes in the operating condition of a machine by measuring its general vibration level. It is assumed that, once the change has been noted, a competent inspector or repair crew will be able to find the actual defects which caused it.

The evaluation of machine condition is based on a single parameter, vibration severity. This means that the instrument needs to display only one measured value, which reduces its cost and makes it easy to handle.

The standards also provide a set of norm values for the common types of industrial plant. The readings obtained on a particular machine are interpreted by comparing them with the norm values for similar machines.

Part Numbers

VIB-10	Vibrameter mm/s, incl. battery cells
VIB-11	Vibrameter in/s, incl.battery cells
TRV-12	Vibration transducer, M8
TRV-13	Vibration transducer, UNF 1/4"-28
TRX-16	Magnetic base for transducer TRV-12
TRX-17	Probe for transducer TRV-12
46044	Measuring cable with connectors, 1.5 m
46045	Measuring cable with sealing TNC plug, 1.5 m
VIC-11	Follow-up forms mm/s (VIB-10), pad of 25
VIC-12	Follow-up forms in/s (VIB-11), pad of 25
VIC-13	Follow-up forms, balancing, pad of 25
90022	Battery

Technical data

Measuring range	VIB-10: 0.5 to 99.9 mm/s RMS, VIB-11: 0.01 to 3.93 in/s RMS, 10 to 1000 Hz
Resolution:	0.1 mm/s (0.01 in/s)
Accuracy	2% ± 0.2 mm/s (2% ± 0.02 in/s)
Power supply	Four 1.5 V alkaline cells (e.g. MN 1500 or UCAR E91)
Temp. range	0° C to +55° C (32° to 131° F)
Display	3 digits, red LED
Switch-off	Automatic
Protective cover	Polyurethane
Dimensions	210 x 75 x 30 mm (8.3" x 2.9" x 1.2")
Weight	410 grams (14 oz) incl. batteries
Connector type	TNC