






# VIBROTIP®

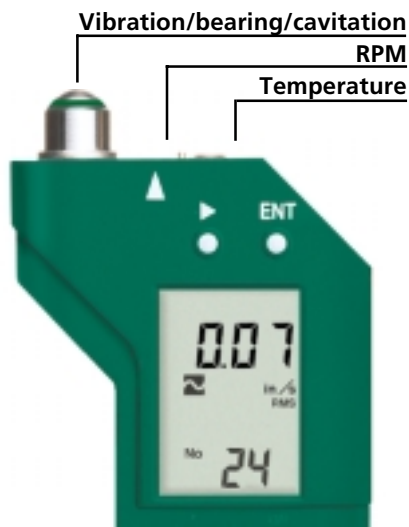
The five senses of machine condition monitoring

-  Vibration severity
-  Bearing condition
-  Temperature
-  RPM
-  Pump cavitation



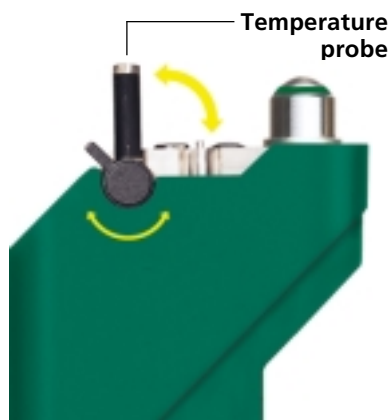
# Condition monitoring 'lean and green'

Preventive 'lean' maintenance strategies increasingly call for machine operators to assume responsibility for the operating condition based upon objective readings of certain key parameters. But who has the time to carry around a whole collection of complicated instruments, each designed for its own particular type of measurement?



## Built-in sensors

All measurement sensors are already built into the instrument, ready for use at the press of a key - with no loose parts to forget or misplace and no cables, plugs or connections to break!



## 5 machine health indicators

VIBROTIP® provides an easy-to-use, time-saving solution to checking five of the most vital indications of rotating equipment condition:



bearing condition and pump cavitation via the reliable shock pulse technique, vibration, rotation speed and temperature - all with just one handy instrument!

## Stores readings

What's more, VIBROTIP® not only stores up to 1,000 condition readings, but also displays how much your measurement has changed since last time.

## Dual function Tandem-Piezo® accelerometer

This patented design is ideal for measuring general vibration levels

as well as the high-frequency shock pulse signals of bearings and cavitation; the specially contoured tip minimizes contact resonance.

## The 'take-along' tool

VIBROTIP® is lightweight and compact enough to take along on routine rounds: just like a Swiss army knife or a pocket-sized camera, VIBROTIP® is made to be right there at your side for those unexpected moments when you need it most.

## Watertight, shockproof

VIBROTIP® features a tough, rubberized IP 65 housing to take the rigors of daily maintenance work in stride. All operating elements are extremely robust and easily withstand the unavoidable shocks, splashes and grime that come with the territory.

## Order Number

VIBROTIP® package VIB 8.635

## Technical data

<b>Built-in accelerometer</b>	Measures vibration, bearing & cavitation signals; external Tandem-Piezo® sensors available for remote or permanent measurement	<b>Cavitation</b>	Measurement units Range Resolution	$dB_C$ -9 - 80 $dB_C$ 1 $dB_C$
<b>Vibration</b>	Measurement units Frequency range Measurement range Resolution Accuracy	<b>Tachometer</b>	Measurement units Range Max. distance Resolution	Built-in sensor rpm 60 - 30,000 rpm 1 m / 39" 1 rpm
	mm/s, in/s (selectable) RMS according to ISO 2372, or peak-to-peak or 0-to-peak 10 Hz - 1 kHz 0 - 100 mm/s / 0 - 4 in./s RMS 0.1 mm/s, 0.001 in./s $\pm 5\%$ (DIN 45666)	<b>General characteristics</b>	Battery operation	1x IEC 6LR61 (9V) Lithium 20 hrs. Alkaline 10 hrs. Rechargeable 3 hrs.
<b>Bearing diagnosis</b>	(shock pulse method) Measurement units Range Resolution		Display LCD Hold function Storage capacity	5 x 10 mm digits yes Up to 1000 measurements (max. 398 per function)
	$dB_{SV}$ , $dB_N$ , carpet value, maximum value -9 - 80 $dB_{SV}$ 1 $dB_{SV}$		Protection	IP 65 (water- and dustproof), chemical protection
<b>Temperature</b>	Built-in sensor; external & replacement probes available Accuracy Measurement range Internal probe External probe (NiCrNi)		Operating temp. Automatic shutoff Shock resistance Dimensions, HxWxD Weight incl. battery	0° - 60° C / 32° - 140° F yes 2 m (6 ft.) drop test 180 mm x 81 mm x 32 mm 7 1/8" x 3 3/16" x 1 3/16" 300 g (10 oz.)
	$\pm 3\%$ -30° - 270° C / -22° - 518° F -30° - 500° C / -22° - 932° F			

Further details on VIBROTIP® and accessories can be found in the VIBROTIP® Accessory Catalogue VIB 9.459G, available free of charge from your PRÜFTECHNIK distributor. Ask him as well about the trending version of VIBROTIP® using TIPTREND® PC software with automated location recognition, trending and alarm functions!

Visit us in [www.pruftechnik.com](http://www.pruftechnik.com)

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