

Profound - Vibration Monitoring



VIBRA wireless alarm beacon

Profound VIBRA wireless alarm beacon (VIB.00405)

The VIBRA wireless alarm beacon is a battery powered portable alarm that provides a visible alarm signal for a vibration monitoring system from the VIBRA-series.

After starting a measurement and upon exceeding a preset alarm threshold, the VIBRA system will automatically show an alarm text on the display. Simultaneously the VIBRA system transmits a wireless alarm signal to the alarm beacon.

The high intensity LED's of the alarm beacon effectively notify personnel of an exceeded vibration threshold.

Flexible use

The VIBRA wireless alarm beacon will receive alarm signals from all VIBRA systems within range, but can also be programmed to solely receive alarm signals from specifically linked VIBRA systems. Several beacons can also be linked to one VIBRA system.

Due to the wireless design and the integrated mounting options the beacon can easily be placed at clearly visible locations.

If another alarm type is required, the internal relay of the VIBRA wireless alarm beacon offers a flexible opportunity to link to other alarm systems.

Long operating life

The internal batteries guarantee a long operating life. To indicate that the batteries need to be changed, the beacon will give a clearly visible signal.

Technical specifications VIBRA alarm beacon	
Flashing frequency	$f_{flash} = 0.5 \dots 5 \text{ Hz}$ Various signal patterns for different status
LED colours	Red, orange, green
Max. luminous intensity	3 x 25 cd
Alarm colour	High intensity red
Alarm threshold range	0.1 to 99.9 mm/s (set with the VIBRA)
Alarm duration	During 1, 2, 5, 10, 15, 30, 60 minutes or manual switch off (set with the VIBRA)
Max. distance between beacon and VIBRA	≤ 30 metres
Batteries	2x 1.5 V Alkaline D-size batteries
Operating life: standby Operating life: flashing alarm	> 30 days > 25 hours
Auto shut-off	> 12 hours after last operation and no received signal
Battery-low indication	$f_{flash} = 2 \text{ Hz}$ (during alarm) $f_{flash} = 1 \text{ Hz}$ (in standby mode)
Overall dimensions	195 mm, \varnothing 125 mm
Weight	1.6 kg
Temperature range	- 10°C to + 50°C
Protection rating	IP65 according to DIN 40 050/IEC 529
Housing materials	Body : Black POM Lens : PMMA
Mounting options	Top side : M8 thread (covered with cap) Bottom side : 5/8" screw thread
Connector	M12 speedcon, 5-pos.
Relais contact	$\leq \text{DC } 60\text{V}/1\text{A}$ $\leq \text{AC } 125\text{V}/1\text{A}$
Linking option for all models	Up to 100 VIBRA systems to one beacon or several beacons to a single VIBRA
Compatibility	Systems with serial number \geq VIBRA VIB01714 VIBRA-sbr VIB01300 VIBRA-sbr+ VIB01000 VIBRA+ VIB01400 Use connection cable (VIB.00432 or VIB.00434) for systems with s/n < above listed
Accessories (optional)	<ul style="list-style-type: none">VIB.00432 Connection cable between VIBRA USB and alarm beaconVIB.00434 Connection cable between VIBRA mini USB and alarm beaconVIB.00436 Fly-lead cable for connection to internal relay



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