

LANIR-TEC

Since 2004

LANIR-TEC LTD

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VSG301 for quick Analyzers and Monitoring systems tests

LANIR - TEC

Since 2004

VSG301

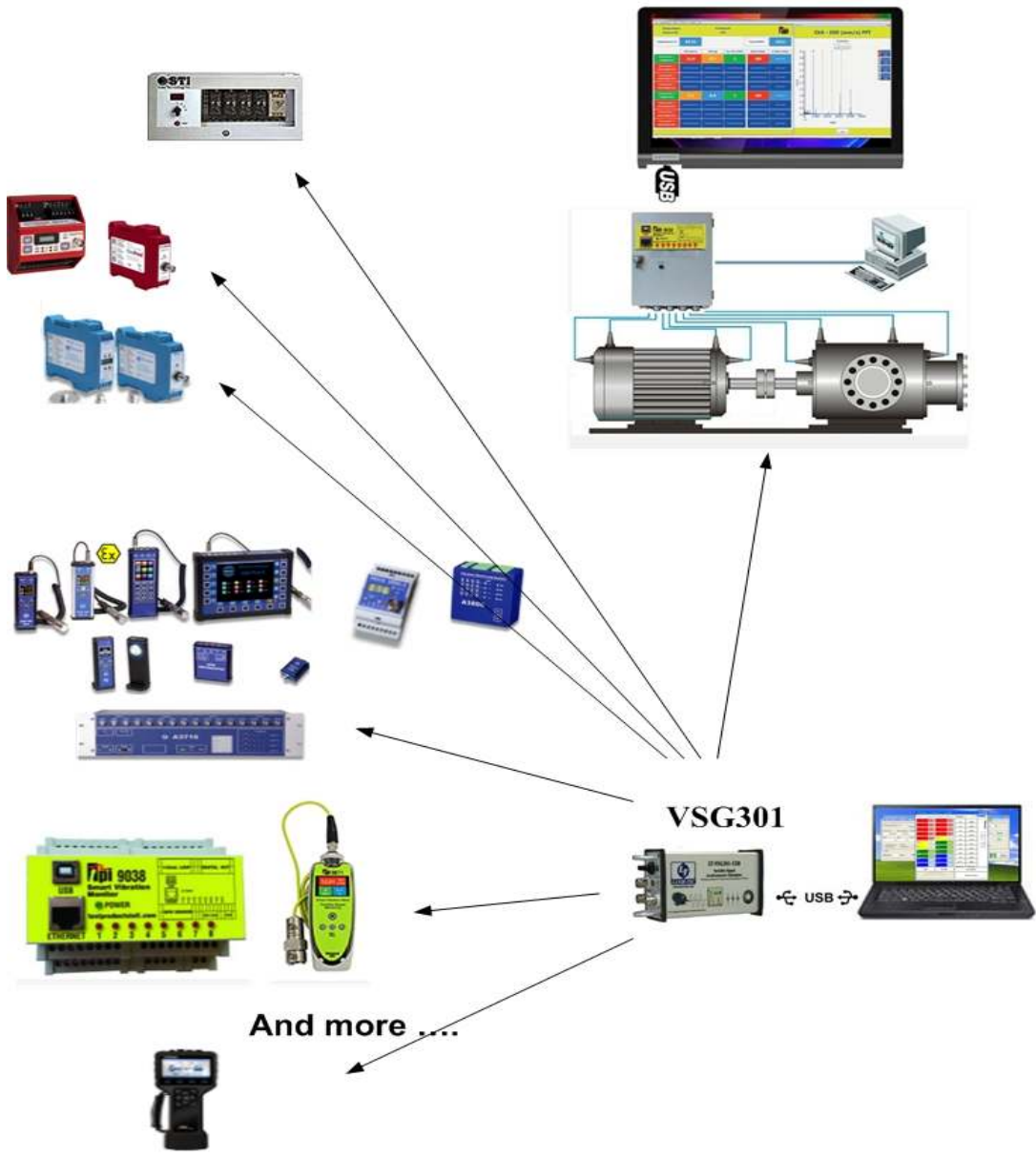
**Variable Signals Generator
for Machinery Vibration tests**

**Best solution for CBM &
PDM Vibration Analysis
Experts & Instructors**



<http://www.lanir-tec.com/simulator/>

VSG301 for Analyzers and Monitoring Systems tests





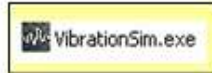
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Quick Vibration instrumentation tests using VSG301 “live “ ISO 10816-3 Table

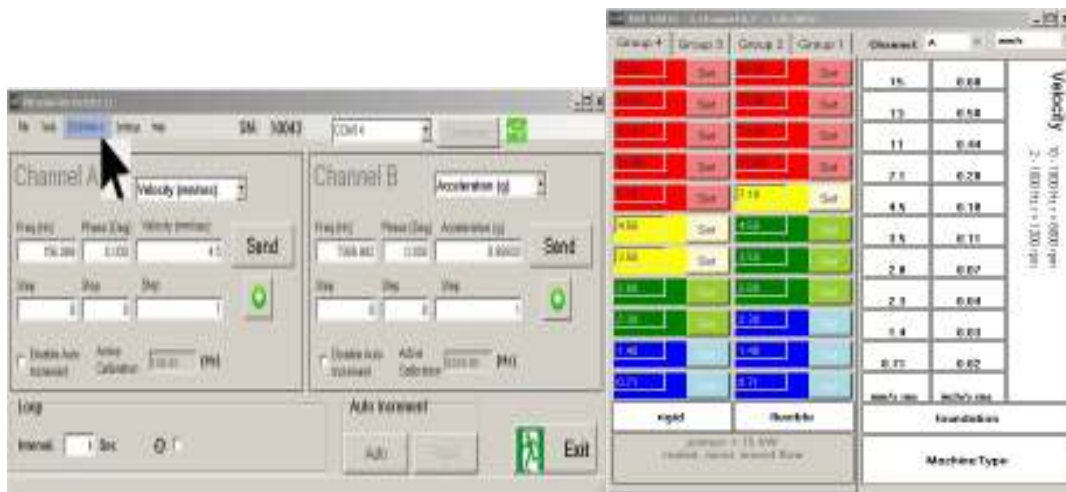
Connect all parts of the system under test:

- Laptop with Lanir-tec VSG301 -Vibration Signals Generator application
- VSG301 –LANIR-TEC Vibration Signals Generator
- TPI 9080 – Smart Vibration Analyzer

Run the VibrationSim.exe Application



On the main menu – select the ISO 10816-3 button





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Now please run any signal from the ISO 10816-3 table to test Analyzers or Monitoring systems.

“Green” signal level check. Signal level from 0.71 till 4.5 mm/s

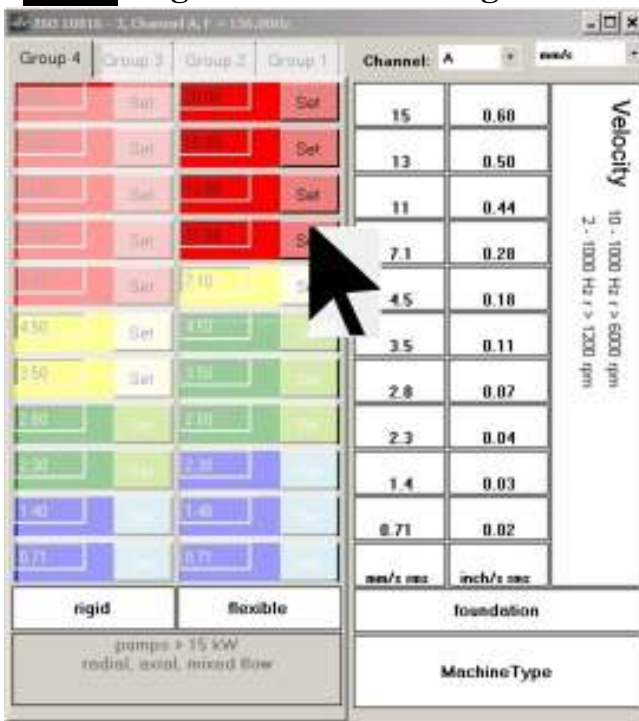
Group 4	Group 3	Group 2	Group 1	Channel: A	mm/s
15	Set	Set	Set	15	0.60
13	Set	Set	Set	13	0.50
11	Set	Set	Set	11	0.44
7.1	Set	Set	Set	7.1	0.28
4.5	Set	7.10	Set	4.5	0.18
3.5	Set	4.5	Set	3.5	0.11
2.8	Set	3.5	Set	2.8	0.07
2.3	Set	2.8	Set	2.3	0.04
1.4	Set	2.3	Set	1.4	0.03
0.71	Set	1.4	Set	0.71	0.02
0.71	Set	0.71	Set		
rigid		flexible		foundation	
pumps > 15 kW radial, axial, mixed flow				MachineType	



“Yellow” signal level check Signal level from 4.7 till 7.1 mm/s



“Red” signal level check . Signal level from 7.3 till 20mm/s

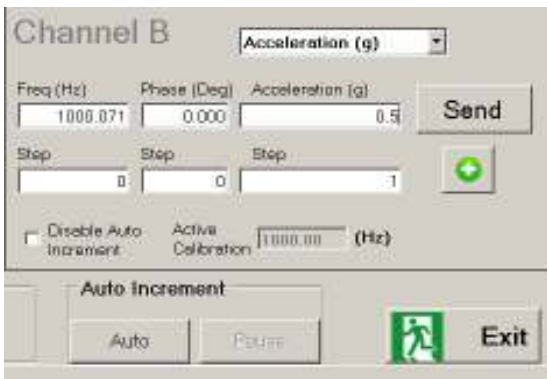




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BDU tests

Bearing Damage Units (BDU), where 100 BDU corresponds to 1g RMS (average) vibration measured above 1kHz. This is a measure of the wear state of the bearings in the equipment being monitored. The higher the number, the more worn the bearing.





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