

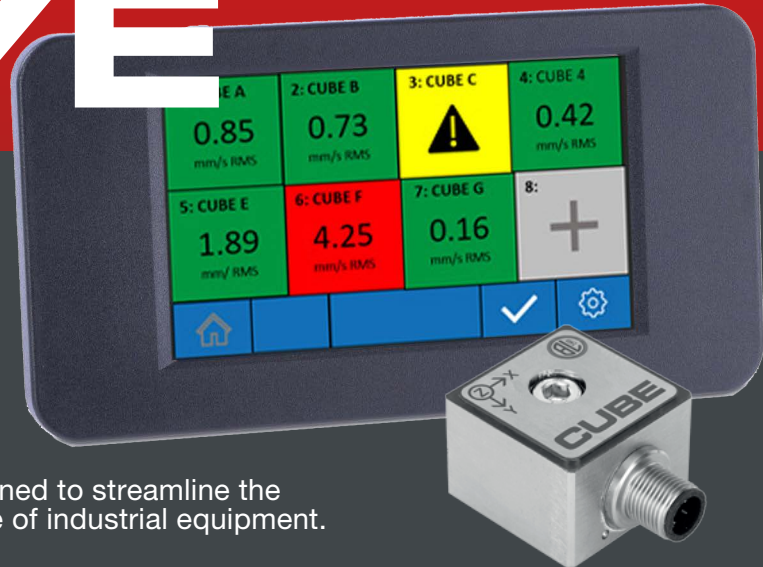
## LOCAL OPERATING PANEL FOR CONDITION MONITORING

# VIB-EYE

Vibes made visible... ..  
Plants fully efficient

**VIB-EYE** is a compact powerful operating panel designed to streamline the monitoring of vibrations and facilitate the maintenance of industrial equipment.

- **MANAGE** up to 8 triaxial vibration sensors, namely **CUBE**, and it shows the vibration in trend and numeric format.
- **RECORD** the last 50 events for each **CUBE** and give the possibility to modify the alarm setpoints.
- **MACHINE DIAGNOSIS** is prioritized with a dedicated view, featuring a bar-graph that clearly displays the condition of the machine, like bearing defect or lubrication, unbalance, misalignment, and looseness...
- **CONFIGURATION** of VIB-EYE is very simple and intuitive, ensuring highly efficient operation



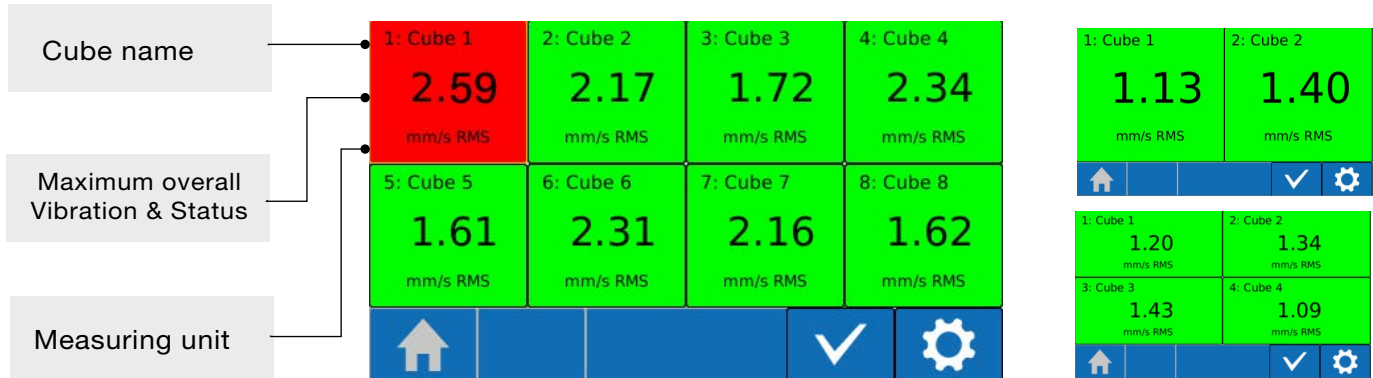
NEW

- 3-Axis Vibration & Temperature Monitoring
- Machine Diagnosis & alarm recording Trend
- Measure
- Threshold settings

- Panel Mount
- Power Supply: 24Vdc
- Display: 4,3" TFT touchscreen
- 480x272 pixel with 262k colors

### Home Page: measures and alarms

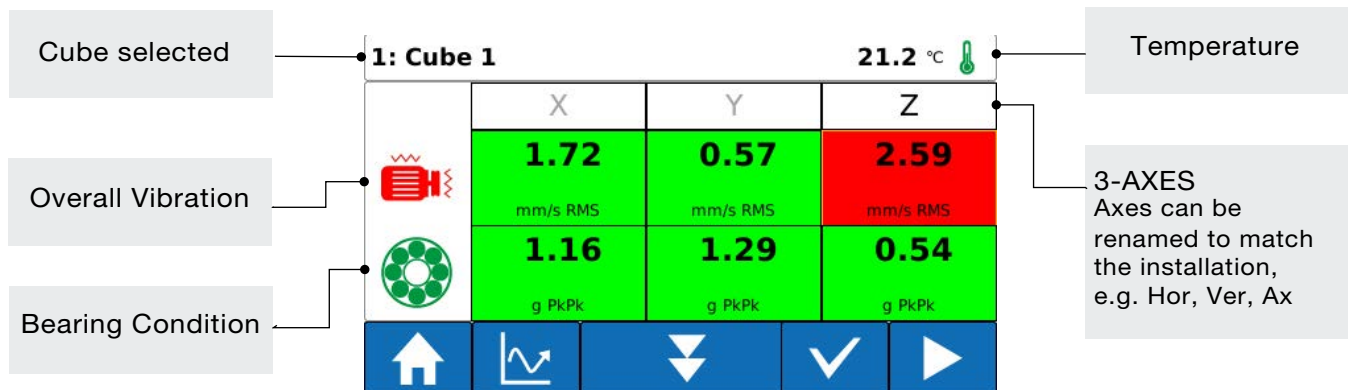
Vib-Eye simultaneously monitors up to 8 CUBE devices, showing vibration measure and machinery status. It highlights both real-time measurements and alarms."



Vib-Eye adapts the layout of the home page to optimize the view of the installed sensors: 2,4,8 CUBEs can be displayed simultaneously.

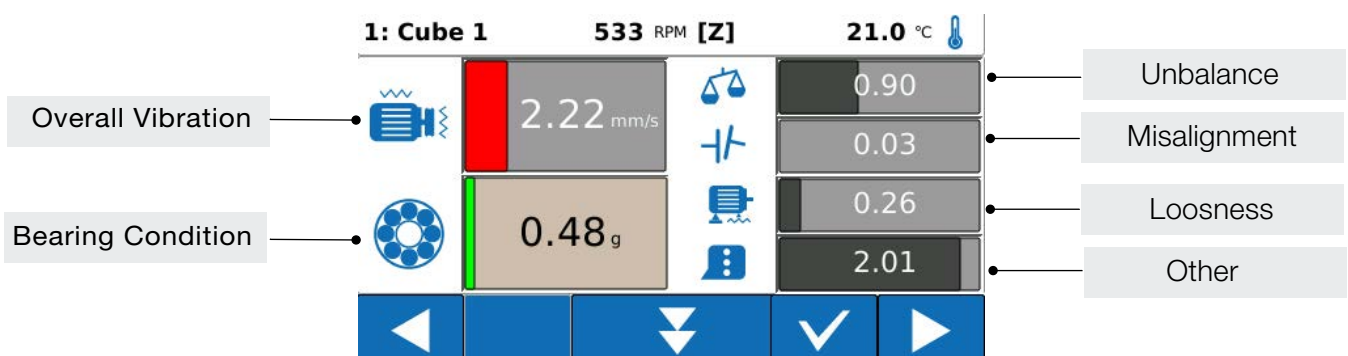
### Drill down 3-Axes Measure

When touching a box on the home page, Vib-Eye drills down the selected CUBE and displays the measures of each axis, including velocity and acceleration. The high-frequency acceleration band provides a reasonable indication of bearing condition and lubrication.



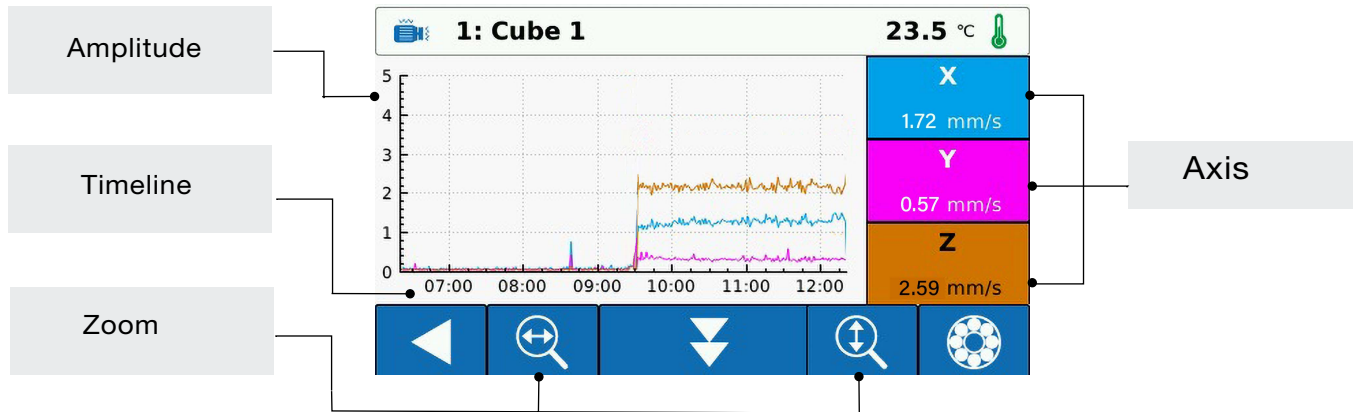
### Advanced Machine Diagnosis

Vib-Eye helps you with advanced diagnostic capabilities to identify critical mechanical problems such as bearing condition, imbalance and misalignment, enabling fast and accurate maintenance.



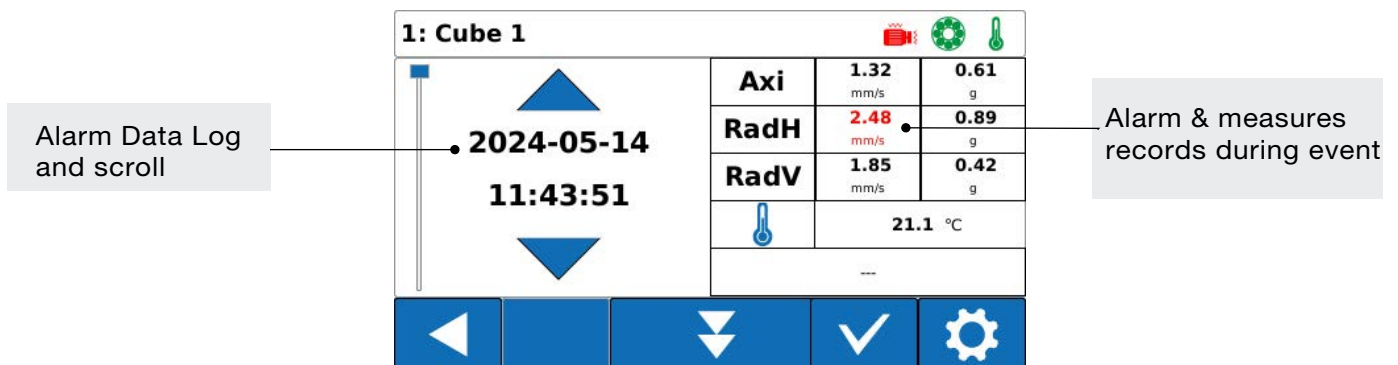
## Trend View

Vib-Eye provides basic 24-hour data logging for each device and presents measures in a powerful trend view, facilitating visual analysis. This helps identify critical trends near potential failures. Trends are available for each axis, including both velocity and acceleration.



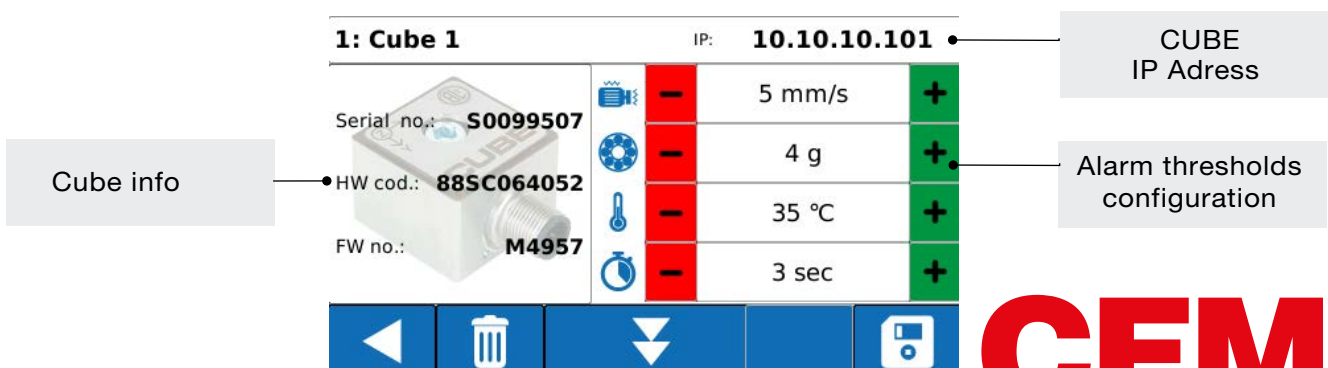
## Alarms History

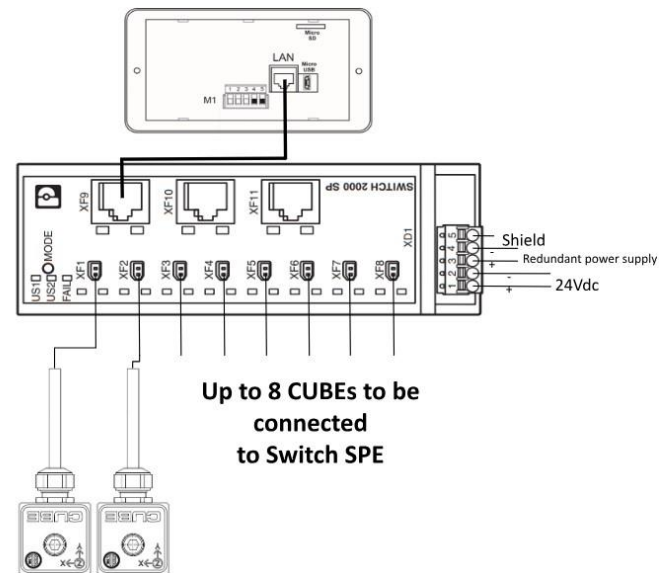
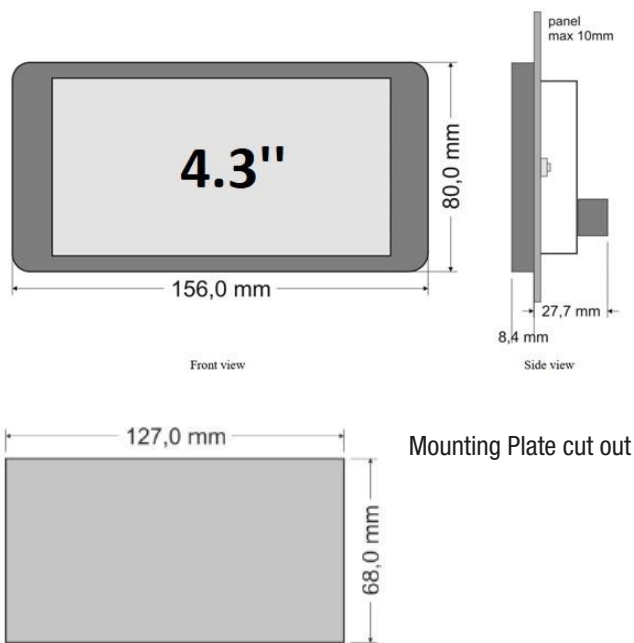
Vib-Eye offers a complete alarm history record, storing and displaying up to 50 FIFO alarms per CUBE. These alarms cover a wide range of problems, from measurement anomalies to sensor failures or disconnections. Navigating the alarm history is simple, with a page for each alarm showing all measure taken during the event, along with its timestamp.



## Thresholds Settings

Vib-Eye allows to view and set the alarm thresholds and delays, writing these values inside CUBE registers, ensuring full alignment between different sources of setpoint modification (local or remote). This feature eliminates the need of configuration software for basic device setting,





## VIB-EYE ECOSYSTEM

Basic components required to operate VIB-EYE solution.

Image	Component	Description	Order code
	VIB-EYE	4.3" Touch Local operating panel for condition monitoring (up to 8 CUBE sensors)	9801000119
	CUBE ...and its cable	High-performance Triaxial Vibration Sensor for machine protection and predictive maintenance	CUBE/3/0/0/0 ...see cube datasheet
	Multiport SPE Switch (2303-8SP1 Phoenix Contact)	Switch ethernet multiport 8 ports SPE - 3 ports RJ-45 on DIN rail	7904000142
	0.5m SPE cable for installation inside the panel	0.5m pre-terminated cable for SPE switch + free end for terminal block	87SE070460
	PROVIB-L	Turn key Local Control Unit to be installed in field or on the machine. It can manage up to 8 triaxial CUBE sensors. It includes the components above (except CUBE) inside a 330x250x130mm Small Cabinet with 110/230Vac Power supply	PROVIB-L/1/0