

Know more. Know before.

VibraOne Wind

Datasheet

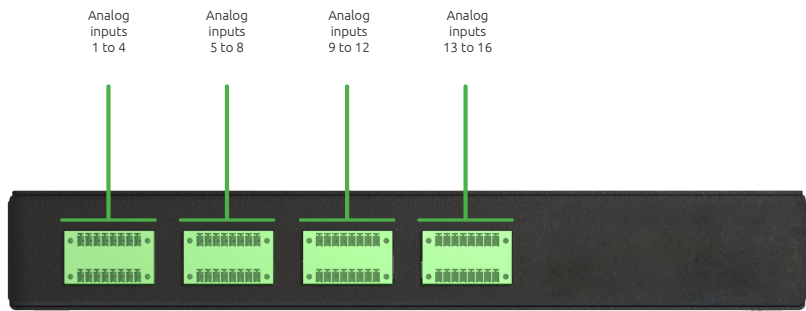


CMS
Condition
Monitoring
System

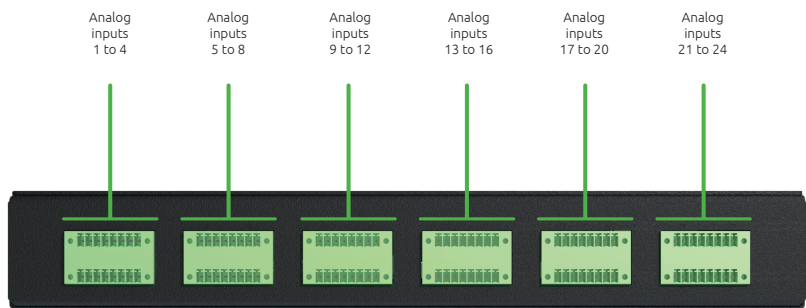
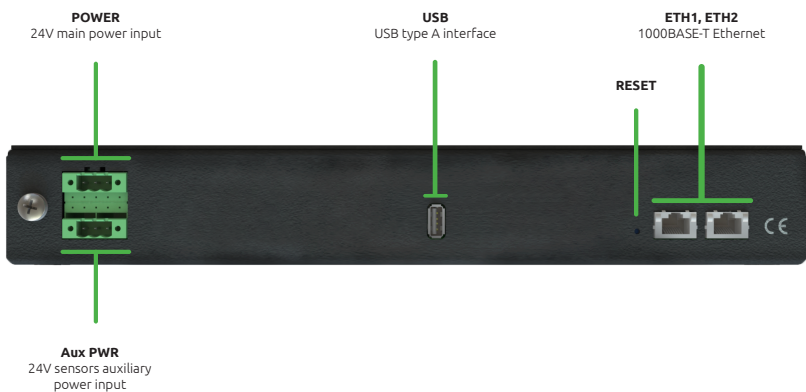


Model	 	
Mechanical Specifications	Aluminum enclosure	
	Dimensions (HxWxD): 45 x 350 x 160 mm	
	DIN-rail mounting option	
	Interface Connectors	Interface Connectors
	Electrical Ethernet: RJ45	
Power	Power and analog inputs: Terminal Block Headers	Power, analog inputs, digital inputs/outputs and SYNC: Terminal Block Headers
	Base board: from 8 to 36 Vdc	
Processing and storage	Sensors: 24 Vdc	
	Intel FPGA SOC Cyclon V (built-in ARM-9 dual core 900MHz)	
	1GigaByte DDR3 RAM	
Communication	32GigaByte Flash memory	
	2 1000BASE-T Ethernet ports	
	1 USB interface	
MTBF (Mean Time Between Failure)	1 isolated RS-485 port	
	MTBF: 370.000 hours * Estimation by project	
Analog inputs	16 DIP-configurable analog inputs for:	24 DIP-configurable analog inputs for:
	• IEPE (+/- 5V with blocked DC level) • 0-20 mA (with 24V sensor supply) • +/- 10V (with 24V sensor supply) • +/- 30V	• IEPE (+/- 5V with blocked DC level) • 0-20 mA (with 24V sensor supply) • +/- 10V (with 24V sensor supply) • +/- 30V
	24-bit ADC resolution	
	Sampling rate up to 128KHz	
	24 sensor output	
Operating condition	8mA IEPE sensor current output	
	Operation temperature range - From 20°C to 70°C (from 68°F to 158°F)	
Synchronization	Storage/transportation temperature range - From 20°C to 85°C (from 68°F to 185°F)	
	Ethernet synchronization	
Digital outputs	SYNC input/output synchronization (optical isolated input, buffered output)	
	2 dry contact outputs relays NO / NC	
Digital inputs	4 optical isolated digital inputs	
	Input range: 125V	
Signaling	Switching voltage: 75V	
	Signaling LEDs	
	24 bicolor channel status LEDs	

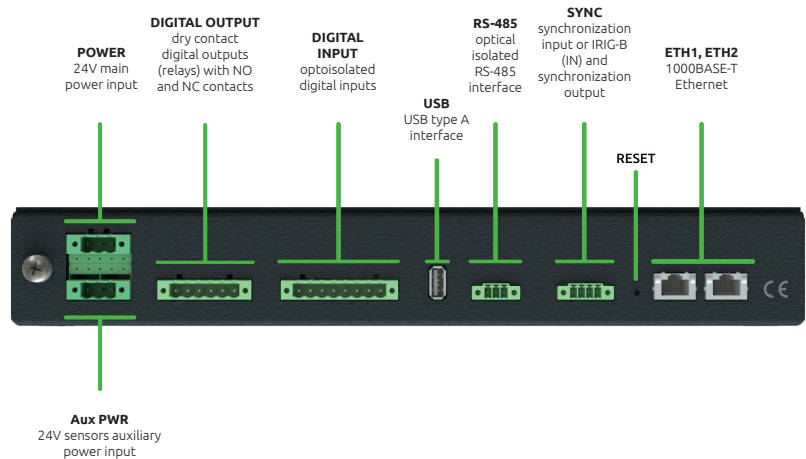
Interface



VibraOne - Wind 16C



VibraOne - Wind 24C



All specifications are at room temperature unless otherwise specified.
In the interest of constant product improvement, we reserve the right to change specifications without notice.

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