

4-Channel Signal Conditioner

MODEL YE5863

Features

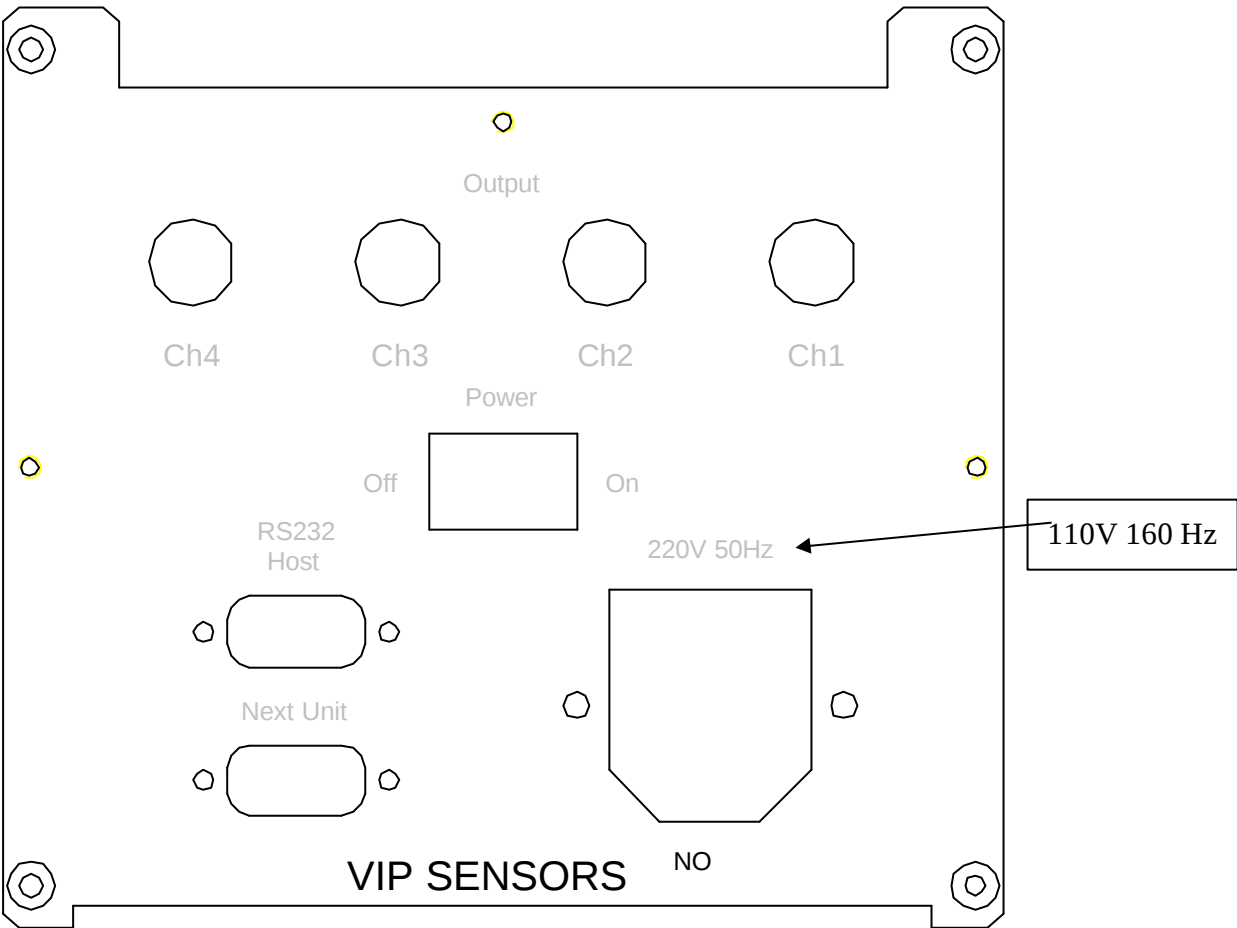
- LCD displays all the parameters
- Able to measure acceleration, velocity and displacement
- Ease of operation (5 set-up buttons)
- Digital tuning of sensor sensitivity
- Multiple built-in HPF and LPF
- Low noise, high precision
- Single machine, manual control or multiple-machine (RS-232C)
- Overload warning ($\pm 5VP$)



Specifications

Input	
Input range	Charge: $\pm 10^5$ PC (Maximum)
Output	
Output range	$\pm 10VP/5mA$ (Maximum)
Noise	$\leq 5\mu V$ (switch at maximum gain position, reference to the input port)
Gain	
Switch positions	Select from 1, 10, 100, 1000mV/PC switch positions(with 1nF source capacitance)
Precision	Acceleration: $\leq \pm 1.5\%$ (inherent error); $\leq \pm 3\%$ (operation error); Velocity: $\leq \pm 3\%$ (inherent error); $\leq \pm 5\%$ (operation error); Displacement: $\leq \pm 5\%$ (inherent error); $\leq \pm 5\%$ (operation error);
Frequency response	
Low pass filter	Select from 0.3k, 1k, 3k, 10k, 30k, 100kHz switch positions (cut-off frequency $-3dB \pm 1dB$, attenuation rate $-12dB/OCT$)
High pass filter	Select from 0.3, 1, 10Hz (cut-off frequency $-3dB \pm 1dB$, attenuation rate $-6dB/OCT$)
Environmental	
Temperature	Operation temperature: $0^\circ C - 40^\circ C$ Storage temperature: $-55^\circ C - 85^\circ C$
Humidity	Maximum 95%R.H.
Power supply	
Power source	AC: 220V, 50Hz, 0.3A
Physical characteristics	
Dimensions	140mm(W) $\times$ 133mm(H) $\times$ 240mm(D)
Weight	About 3kg
Connection	Input: L5 Output: BNC

Accessories	
Input cables	4 2m double-head L5 STYV -1 low noise cables
Output cables	4 2m double-head BNC 50Ω output cables
Power source cable	One AC power source cable
Interface cable	One 2m RS-232C cable



YE5863 Back Panel