

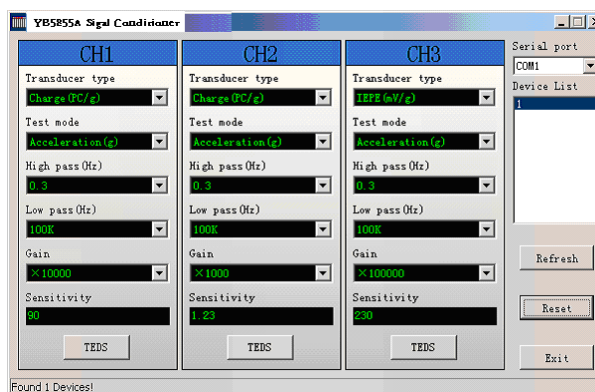


Three Channels Charge Amplifier (TEDS Support)

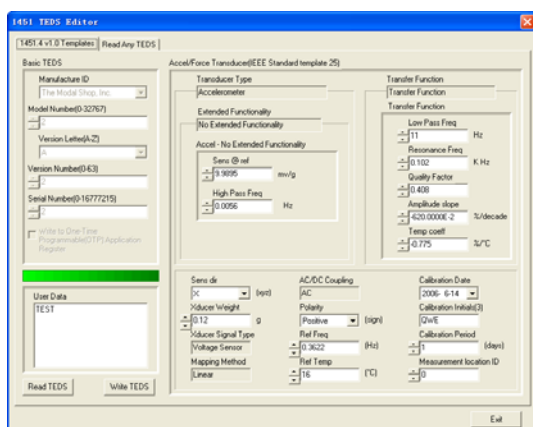
Model: YE5855A

Features:

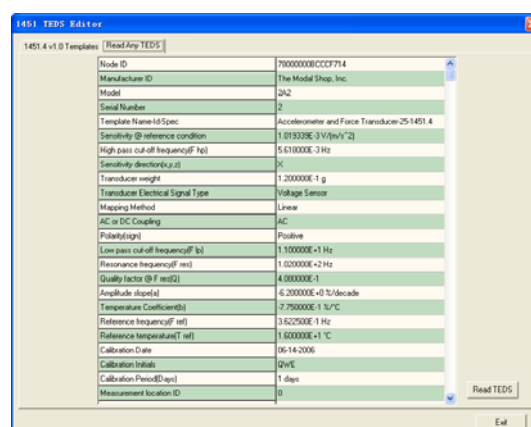
- Three Channels Input: Match with three single axial sensors / a tri-axial sensor;
- Dual Integration Function: Measure Acceleration, Velocity, Displacement;
- TEDS Function: Match with TEDS accelerometer, automatically set the sensitivity and normalization adjustment;
- Output display: 6 digitals LED to display every setting parameter and output amplitude
- Filter: Set adjustable HPF and LPF;
- Support TEDS read and write function: Write, read and modify every setting parameter of TEDS transducer via RS-232C connector;
- Centralized Control and Management: Many YE5855A can be centralized managed and controlled via RS-232C to be multi-point intelligent measurement system.



Specifications:



IEEE1451
TEDS
Editor





Three Channels Charge Amplifier (TEDS Support)

Model: YE5855A

SPECIFICATIONS

Number of channels	3
Input	Charge: $\pm 10^6$ PC Maximum; Voltage: ± 10 VP
IEPE Input	4mA/24V (TEDS Compatible)
Measurement mode	Acceleration, Velocity and Displacement
Transducer sensitivity	
Transducer Sensitivity Adjustment Range	0.01 ~ 999PC/m/s ² (Full Digital programming); TEDS Transducer Automatic Adjustment
Gain	Acceleration 0.0001~100000mV/ ms ⁻² Velocity 0.00001~10000mV/mms ⁻¹ Displacement 0.0001~100000mV/ μ m
Linear Output	± 10 VP/5mA Maximum
Output	± 10 VP/5mA
Measurement mode	Acceleration, Velocity and Displacement
Accuracy Error	Acceleration: $\leq \pm 1\%$; Velocity: $\leq \pm 3\%$; Displacement: $\leq \pm 3\%$
Noise	$\leq 5\mu$ V (with maximum gain and rti)
Frequency range	Acceleration: 0.3Hz~100kHz Velocity : 10Hz~10kHz Displacement: 10Hz~1kHz
HPF characteristics	0.3, 3, 30, 300Hz Programmable, -6dB/Octave roll off
LPF characteristics	0.1k, 1k, 10k, 100kHz Programmable, -12dB/Octave roll off
Display	6 Digits LED
Power supply	AC220V $\pm 10\%$ 50Hz/AC110V $\pm 10\%$ 60Hz
Dimensions	225mm (W) $\times$ 85mm (H) $\times$ 230mm(D)
Weight	About 2.5kg