



**Vibration Instrumentation:**  
*Conditioners*

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**Power Supply & Conditioner  
YE3822A**

- Small in size, lightweight
- Wide frequency range
- Operation status LEDs
- Low-battery warning
- Internal/external power supply
- Operating voltages for ICPE sensors
- Selectable gain 1 or 10



**Specifications**

Input Channel:	One
Constant Current Output to Transducer:	2mA
Constant Current Compliance Voltage:	+24VDC
Input Voltage:	$\leq \pm 5V_p$ (ICPE sensor output)
Coupling Capacitor:	10 $\mu$ F
Upper Frequency (-5%):	100,000Hz
Lower Frequency (-5%):	0.05Hz
Gain:	1 or 10 selectable switch
Output Amplitude:	$\leq \pm 5V_p$
Accuracy:	$\leq \pm 1\%$
Noise:	$\leq 1mV_{rms}$
Operating Temperature:	0 - 40°C
Storage Temperature:	-55 - 85°C
Moisture:	Maximum 80%R.H.
Internal Power Supply:	One 9V battery
External Power Supply:	5-20VDC (Right hand side input)
Battery Life:	~10 hours
Dimensions:	25mm(H)x60mm(W)x100mm(D)
Weight:	~300g
Connection:	Input: BNC , Output: BNC

**Accessories**

Input/Output Cables:	One each
Power Supply Cable	One

**Multi-Channel ICPE Conditioner  
YE3826A**

- 12/16 channels current source amplifier
- Selectable current source 4 or 10 mA
- Selectable gain 1 or 10
- Two types of output connectors
- Wide frequency range
- Operating status LEDs
- Dimensions: 44mm x 430mm x 240mm



**Charge Amplifier  
YE5851A**

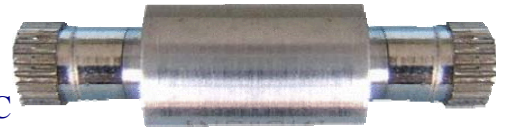
- Small in size, rugged construction
- High gain
- Wide bandwidth
- Fixed low pass filter
- Adjustable sensor sensitivity
- Output short circuit protection
- Dimensions: 50mm x 32mm x 100mm



## Remote Charge Amplifier YE5857A/B

### YE5857A

- Two-wire (output and supply current on same wire)
- Wide frequency response (100kHz)
- Small in size and rugged construction
- Stainless steel tube
- Three different gains: 0.1mV/pC , 1.0mV/pC , 10mV/pC
- Dimensions:  $\Phi 6.8\text{mm} \times 24\text{mm}$



### YE5857B

- Two-wire (output and supply current on same wire)
- Wide frequency response (100kHz)
- Small in size and rugged construction
- Stainless steel tube
- Three different gains: 0.1mV/pC , 1.0mV/pC , 10mV/pC
- Dimensions:  $\Phi 12.7\text{mm} \times 81\text{mm}$
- Supports IEEE P1451.4 TEDS for smart sensors



## Signal Conditioner YE5855A

- Low-noise, 3 channel signal conditioner
- PE, ICPE and remote voltage accelerometer type inputs
- Acceleration, velocity and displacement outputs
- Broad bandwidth: 100kHz
- Wide dynamic range: 0.001-100,000mv/pC
- RS-232C computer interface
- Supports IEEE P1451.4 TEDS for smart sensors
- Dimensions: 225mm x 85mm x 230mm



## Double Integrator Charge Amplifier YE5858B

- Acceleration, velocity, and displacement
- Selectable sensitivity (1-109.9C/ms<sup>-2</sup>)
- Selectable high / low pass filters
- Low-noise, high accuracy
- Charge or voltage input
- Overload display ( $\pm 5V$ )
- Dimensions: 132.5mm x 70mm x 200mm



## Vibration Meter YE5936A

- Measures acceleration, velocity or displacement
- Power supply: 9V battery
- Automatic power-off after 60 seconds
- Measurement range
  - Acceleration: 0.1-199.9ms<sup>-2</sup> (peak value)
  - Velocity: 0.01-19.99cms<sup>-1</sup>
  - Displacement: 0.001-1.999mm(pk-pk)
- Dimensions: 186mm x 70mm x 32mm



**Vibration & Shock Meter  
YE5940A**

- Adjustable acceleration measurement range from
  - 0 to 10, 30, 100, 300, 1,000 and 30,000ms<sup>-2</sup>
- Positive peak, negative peak and RMS display options
- Dimensions: 70mm x 132.5mm x 200mm

