# ACOUSTIC EMISSION NODAL UNIT

**Model No:**
**ICS-AES-V2.01**

## AENU

*The AENU is an Acoustic Emission Nodal Unit which communicates with a Cluster Server wirelessly.The AES nodes acquire acoustic data, compute derived parameters and transmit them using Zigbee wireless technology to the Zigbee-WiFi Converter.*

### Input Specifications

- Input Connector            - SMA Female
- Input Signal Frequency     - 50 KHz - 200 KHz
- Input Signal               - Acoustic Emission Signal
  Sensor

      with pre-amplifier

- Input Impedance            - 1M ohm
- Remote Control             - WiFi Control

### Interface with Other Units

- WiFi Cluster Server
- Zigbee Transceiver
- PC (RS 232 Interface)

### Dimensions (Typical)

- Analog Card-SIZE 9.5 * 9.5 cm
- Micro Controller Card -SIZE 9.5 * 9.5 cm
- CPLD Card-SIZE 9.5 * 9.5 cm

### Software Facilities

- User can configure / Change configuration of the AE Node at any instant
- Facility to vary Threshold based on the environment placed
- Facility to vary the Hit Definition Time
- Facility to give each node a different address
- Facility to start / Initialize the 32 – bit counter
- Facility to re-program the device's present for various functionalities

### Power Supplies

- 230V AC

NOTE : The specifications can be changed without notice due to technological advances.