**AC Test Rig**

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| https://lh7-rt.googleusercontent.com/docsz/AD_4nXcruBWQHVAwsMbc7xzZKFUVFsLC3MMTwpNFbLYaosXYlbrR1irRYdU2IzVN-4WzpMH_wFMftede9EyV7dQFWMlMkP6ldmj8ISPzHc2-PDZy9YeTgWrmsWWQswhBs4MNg9XsZZ14sBz5C7tJObWO-3qjc4c0TaYq9dOZNLaPznLQjMDGITXXJr0?key=sHNt7VPBRc0S5flSSnA2N9JD | **Name of the equipment:**  AC Test Rig  **Make & Model:**  Gunt Hamburg & ET 915 ET915.07  **I-Stem Registration ID-**  **3224900**  **Category of Instrument**  Educational training system  **Types of Analysis / Testing**  Heating and Cooling processes  Humidification and Dehumidification  **Application:**  Education Training in HVAC Systems  Thermodynamic Process Analysis  **Description of Instrument**  The GUNT Hamburg ET 915.07 Air Conditioning Model is an educational training system designed to simulate and analyse the operation of a full air conditioning system. It is part of the HIS training system for refrigeration and ac technology. |

**Booking Details**

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| **Book through I-STEM:**  <https://www.istem.gov.in/>  **Slot Booking Link**  [I-STEM Slot Booking link for External User](https://www.istem.gov.in/equipment-info/24900/AC-Test-Rig) | **Booking available for**  Internal & external  **Requisition form for**  [Internal](https://randc.nitc.ac.in/pdf/instruments/med/20.%20Internal.pdf)  [External](https://randc.nitc.ac.in/pdf/instruments/med/20.%20External.pdf) |

**Contact Details**

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**Features, Working Principle and Specifications**

**Contact Details**

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| **Features of the equipment**   * It features a complete air conditioning cycle with components for heating, cooling, humidifying, and dehumidifying air in a closed-loop system. * The system supports interactive learning with fault simulation, h-x diagram plotting. | **Unique features/Measurement capabilities, if any**   * Integrated h-x Diagram Software Interface * Fault Simulation Functionality |
| **Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)**   * Complete Air Conditioning Circuit * Transparent Air Ducts * Sensor-Equipped for Real Time Monitoring * Airflow control & Mixing * PC- Based Data Acquisition & Software Integration | **Measurement/Sample specifications:** |

**Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions**

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| **User Charges Rs. (GST Extra)** |

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| **Test Details** | **Internal** | **External Academic Institutes** | **National R&D Lab** | **Industry** |
| NA | NA | NA | NA | NA |
| NA | NA | NA | NA | NA |