

## High Brite System Accessories Demo

LTA-670

- + The simulator on HEV (Hybrid Electric Vehicle) fuel type will be included in a complete set of educational equipment addressed to the basic study of systems for cars.
- + The simulator should consist of a computer-assisted panel, with silk-screen mimic diagram for a clear location of its components.
- + Various zones of the mimic diagram should be represented with different colors to emphasize peculiar aspects of the system.
- + Light indicators, installed in the mimic diagram enable to assess the evolutions of the control.
- + The graphic display of the information available at the control input, such as speed, temperatures, on the computer screen enables the permanent monitoring of the system.
- + The operational conditions are set by students according to the educational path indicated in the courseware.
- + The testing phase should be completed with insertion of faults, carried out by the PC, for the study of maintenance.

### Technical parameters

- + Training Programs to be Performed:
  - Hybrid Electric Vehicle (HEV) architecture
  - Electric permanent magnet synchronous motor (PMSM)
  - Battery
  - Electric motor ECU
  - Engine fuel ECU
  - Data network
  - Operation modes
  - engine starting
  - low and high speed cruising
  - light and full acceleration
  - deceleration and braking
  - reverse
  - Regenerative braking
  - Battery charging
  - Technical Specifications:
    - The system should arrange on a wide silk-screen, panel should be provided with:
      - Color silk screen panel
      - Test jacks of 2 mm
      - Pushbutton ignition key
      - Selection of the operational conditions with potentiometers and buttons
      - Display of state of the system with both single and bargraph Leds
      - Automatic speed lever PRNDB
      - Battery test points
      - Impact simulation pushbutton
    - Dynamic display of the parameters, on the computer screen, with software of high graphic performance



Note: The Picture pattern just for references may

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- USB connection with the computer
- Power supply: 230 Vac 50 Hz single-phase - 50 VA
- Projection System: 3LCD ,Short throw
- LCD panel: Min. 0.48 inch
- Pixel Number: Min. 1,024,000 dots .
- Resolution: Min. WXGA (1280x800 pixels)
- Contrast Ratio: Min. 2500,000: 1
- Color Light Output: Min. 3.700 Lumen.
- Application: For projection from laptop or desktop computer in a big screen
- White Light Output: Min. 3.700 Lumen
- Aspect Ratio: min 16:09
- Light Source: LASER Diode
- LASER light source: Min.20,000 hrs.
- Throw Ratio: 0.25 :1
- Screen Size (Projected Distant): Min. Zoom: Wide: 85" - 118"
- Keystone Correction: Manual vertical: min  $\pm 5^\circ$  , Manual horizontal min  $\pm 5^\circ$
- Speaker: Min. 16W
- Connectivity's 2.0 Type A, USB 2.0 Type B, RS-232C, Ethernet Interface (1000 Base-T/ 100-Base TX/ 10-Base-T), Wireless LAN IEEE 802.11a/b/g/n/ac, Wireless LAN a/n (5GHz), Wi-Fi Direct, VGA in (2x), VGA out, HDMI in (2x), Miracast support, Stereo mini jack audio out, Stereo mini jack audio in (2x), Microphone input.
- Other Features: Arc Correction, Auto Power On, Auto sour search, Built- in speaker, C compatible, Digital zoom, Direct Power on/off, Document Camera Compatible, Easy OSD pre- setting, Email notification, Home Screen, Horizontal and vertical keystone correction, Instant on/off, Mail notification function, Microphone input, Network administration, Network projection, OSD copy function, Quick Corner, Schedule Function, Set-up wizard, Split-Screen-Function, Web Control, Web Remote, Wireless LAN capable
- Power supply voltage: AC 100 V - 240 V, 50 Hz - 60 Hz
- Power Consumption: Max. 350 Watt,
- Supplied accessories: Power cable , Computer cable, Remote control with battery etc. as per manual book.



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