V-Max 4000
Modular Data Acquisition System
V-Max 4000

Product Overview

Link Engineering Company’s V-Max 4000 provides the latest in modular data acquisition system technology. The combination of high sampling rates, reliability, modularity and versatility make the V-Max 4000 ideally suited for your precise test applications while meeting your specific budget requirements.

Key Benefits

The LINK V-Max 4000 is more than a data logger.

- Runs ProLINK, common to LINK laboratory systems
  - Allows vehicle to laboratory transformation
- Records in LINK standard data format up to 1000 channels
  - 1000+ summary variables on every recording
  - Sample rates up to 51.2 kHz depending on channel
- Localized technical/calibration support in most regions of the world
- Ability to provide audio prompts to user for instruction and feedback
- Out-of-the box data logger and programmable system
  - Add-ins allows custom functionality
    - Custom test prompting
    - Immediate end-of-recording user feedback
    - Library of add-ins included
    - LINK can help develop a custom test system
- Data and video synchronization
- Multi-data acquisition systems connectivity
- Designed to aid the driver in successful test execution
  - Driver prompts
  - Configurable heads-up display
  - Commenting interface
  - Customizable target bars with ramp rate functionality
  - Channel saturation warnings

Real-time NVH Analysis on the fly

![Real-time NVH Analysis on the fly](image)
Options

• 13 modules from which to choose
• ProLINK squeal report application software
• NVH Analysis on the fly
• Select transducers preconfigured in stock, wired and calibrated
• Custom adapter cables for common connector types
• Rugged carrying case/organizer
• Remote on/off push buttons & RF switch for unique mounting options
• Customized software solutions (let LINK adapt our software to your specific requirements)
• Vehicle mounting solutions
• LINK can develop custom test reports for customer procedures

Key Features

• Modules can be added as test needs evolve
• Modules can be shared between systems
• Allows users to buy what they need, while allowing for future growth
• LINK will lease modules to expand capability for short term demand
### Model 4000 Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intermittent Power Backup</td>
<td>Internal Super Capacitors, 3 seconds</td>
</tr>
<tr>
<td>Module types</td>
<td>Analog input, Differential analog input, Analog output, Temperature, NVH, Pulse, CAN, Digital input/output, Power module, Power distribution module, POE Ethernet, Video, CPU</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-30 °C to +55 °C (-22 °F to +131 °F)</td>
</tr>
<tr>
<td>Operating Relative Humidity</td>
<td>5% to 95% Non-Condensing</td>
</tr>
<tr>
<td>Protection</td>
<td>IP 31</td>
</tr>
<tr>
<td>Approvals</td>
<td>CE Mark</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>9 Vdc to 27 Vdc</td>
</tr>
<tr>
<td>Sample Rate</td>
<td>up to 51.2 kHz (depending on channel type)</td>
</tr>
<tr>
<td>Total # of channels</td>
<td>up to 1000</td>
</tr>
</tbody>
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