Proven Strip and Seal Defect Detection

Innovative, in-process inspection of wire stripping and seal insertion with 100% traceability.

WireScan B-Series

Seamless integration into high-speed wire transfer machines

No-Contact, In-Process Monitoring
- The optical sensor projects a parallel beam which is then interrupted as the wire end is transferred through the sensing window
- The resulting image profile is analyzed by comparison to a reference or "learned" profile image

Wire Strip Inspection
- Identifies wire strip defects such as high/low insulation shoulder, pulled strand, splayed strands, and improper wire end position

Seal Insert Inspection
- Identifies seal loading defects such as lack of seal presence, reversed orientation, poor position, and skewed seal

WireScan Software
- User-friendly software is loaded onto the machine PC for set-up, configuration and operator control
- Installed onto Windows platform and runs in the background
- Sends "pop-ups" to the main screen display to indicate inspection status and flashes if a defect occurs
- Displays strip and/or seal inspection image

100% Traceability
- Wire strip and seal insertion data can be optionally logged and recalled by time stamp

Machine Integration
- The WireScan B-Series consists of the LPA568 optical sensor and software which resides on the machine PC
- Ideal for integration onto both existing and new wire processing machines
- I/O interface connects directly with the machine for control of defective parts
- WireScan works with all wire sizes including small cross-section wire

Flexible Installation
- Available with various options for physical mounting and electrical interfacing with a wide range of automatic machines

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Product specifications and related information subject to change without notice.
**WireScan B-Series**

**Technical Specs**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Supply Voltage</td>
<td>Voltage 24VDC @200mA +/- 10%</td>
</tr>
<tr>
<td>Communications</td>
<td>1 RS232</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.125mm [.005&quot;]</td>
</tr>
<tr>
<td>Inspection Window</td>
<td>16mm [.63&quot;]</td>
</tr>
<tr>
<td>Inputs</td>
<td>2 - 24VDC optically isolated</td>
</tr>
<tr>
<td>Outputs</td>
<td>2-24VDC solid state 300mA max or 2-1A@ 24VDC</td>
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<tr>
<td>Electrical Connector</td>
<td>Application specific cable (optional)</td>
</tr>
<tr>
<td>Mounting</td>
<td>Mounting brackets (optional)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>72 x 147 x 19 mm</td>
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<tr>
<td></td>
<td>2.83 x 5.75 x .75 inch</td>
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</tbody>
</table>

**WireScan B-Series package typically includes:**
- LPA56B Unit
- WireScan for Windows
- Mounting bracket
- Electrical interface cable

**About OES Technologies**

Since 1979, OES has provided world-leading manufacturers with process monitoring and control solutions. OES’s powerful wire crimp analysis technology is made available across the ForceView and ForceWox product lines. The Examiner™ Kit is used for periodic calibration of your monitored presses. The Exceed™ Quality System, along with the WireScan™ Inspection System, empowers wire processors with 100% verification and traceability of their complete production cycle.