Vitrek’s 257xR Ballast Analyzers feature the speed and versatility to completely change the way ballasts and tubes are tested.

The 257xR ballast analyzers have been adopted by ballast/lighting manufacturers worldwide because of their greatly enhanced technological capabilities, greatly reduced setup and maintenance requirements, and low cost of ownership.

With the 257xR, up to four tubes and four ballasts can be tested in a fraction of a second for every key parameter, including peak inrush, striking and light efficiency (when used with a light monitor). With a capacity of 2,000 measurements per second on each of up to 30 signals, the only limitation to testing throughput is the speed of your production line.

The 257xR can be used in stand alone or computer controlled environments. It allows the user to simultaneously measure all pins on all tubes, independent output measurements, 12 voltages and 12 currents, (i.e. independent tube V and I measurement, independent filament V and I, for each tube that is configured). Continuous sampling at up to 2 Msps ensures that even the shortest transient events are measured.

Quality and Reliability
Vitrek, founded in 1990, is the premier source of precision power testing and measuring equipment for industrial and consumer product development and manufacturing. Vitrek’s sophisticated technology provides companies the edge in design verification and product manufacturability.

INDUSTRIES SERVED
- Automated Production Testing
- Ballast Testing
- Consumer Products
- Engineering Labs
- Instrument Maintenance & Repair
- Peak Power & Consumption Measurements
- Light Output Verification
- Product Compliance Testing
- Test Labs
### Condensed Specifications
(Contact Vitrek for complete specifications)

**LINE INPUT:**
- Volts/Current: 0.1%
- Power: 0.15%

**BALLAST OUTPUT:**
- Volts/Current: 0.1% (Line); 0.3% (50kHz); 5% (1MHz)
- Power: 0.15% (line); 0.5% (50kHz); 10% (1MHz)

**HARMONICS:**
- Line and Ballast Output Harmonics

**SAMPLING:**
- Up to 2 MSPS continuous sampling

**GRAPHICAL RESULTS:**
- Harmonics Barcharts, Historical Data Logging
  (2 sec. to 10 days, 0.5% time resolution)

**PHYSICAL SPECIFICATIONS:**
- Power Input: 80-265 Vrms autoselect, 50/60/400 Hz @100 VA max
- Size: (HxWxD) 4-1/2” x 11-1/2” x 10-1/2”
- Weight: 2574R: 16 lbs. (7.3 kg)
- Operating Range: 0°C to 45°C, <85% RH @ 40°C non-condensing
- Storage Range: 30°C to 65°C, <95% RH @ 40°C non-condensing
- Digital Interfaces (standard):
  - IEEE488.1: Full talk/listen and controller capabilities
  - Parallel: IEEE1284, unformatted text or PCL

---

#### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PART #</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>822-2571R</td>
<td>Single Tube Ballast Analyzer (Rackmount, with System Interfaces)</td>
</tr>
<tr>
<td>822-2572R</td>
<td>Two Tube Ballast Analyzer (Rackmount, with System Interfaces)</td>
</tr>
<tr>
<td>822-2573R</td>
<td>Three Tube Ballast Analyzer (Rackmount, with System Interfaces)</td>
</tr>
<tr>
<td>822-2574R</td>
<td>Four Tube Ballast Analyzer (Rackmount, with System Interfaces)</td>
</tr>
<tr>
<td>822-2574/R OPT. M</td>
<td>Increased Voltage Accuracy (improved accuracy up to 1.5kVpk limit)</td>
</tr>
<tr>
<td>822-2574/R OPT. HI</td>
<td>Removes Spark Gaps (increases input to 4.5kVpk)</td>
</tr>
<tr>
<td>822-257XR-HID</td>
<td>HID Ballast Option, 4.5kVpk Input, includes XC Current Option (6Apk per pin, 12Apk total) X= 1, 2, 3 OR 4 Ballast Output Connection</td>
</tr>
<tr>
<td>822-2574/R OPT. HL</td>
<td>Increases Line Current Capability to 40Apk</td>
</tr>
<tr>
<td>822-2574/R OPT. LC</td>
<td>Low Current Load Capability (0.75Apk per pin)</td>
</tr>
<tr>
<td>822-2574/R OPT. XC</td>
<td>Very High Current Load Capability (6Apk per pin)</td>
</tr>
<tr>
<td>892-2574/R OPT. F</td>
<td>Decrease to 2MHz -3dB bandwidth, reduced accuracy above 100kHz</td>
</tr>
<tr>
<td>892-2574/R OPT. 2X</td>
<td>Extra High Current Load Capability (12Apk per pin)</td>
</tr>
<tr>
<td>892-2574/R OPT. MEG INPUT IMP</td>
<td>892-2574/R OPT. MEG INPUT IMP Impedance upgrade, per channel cost (requires a calibration cost as well if not performed as part of a repair)</td>
</tr>
<tr>
<td>UG2574R</td>
<td>Additional Operating Manual Set</td>
</tr>
</tbody>
</table>

Please visit [www.vitrek.com](http://www.vitrek.com) for ordering information.