LeakMaster
700 Series

CUTTING EDGE IN LEAK TESTING TECHNOLOGY

POWER. PERFORMANCE. SPEED.
OUR STORY

The best businesses are formed when people provide a creative solution to an existing problem. In 2005, Barry Money and Greg Rider realized that the manufacturing industry was in need of an extremely fast and repeatable air leak testing system. LeakMaster was formed to provide a solution to that need. In 2006, they began developing and refining the first generation of LeakMaster air leak testing instruments and, over the past decade, have continued to refine their instruments by incorporating the latest technological advances and digital innovations. Today, LeakMaster is considered an industry leader in providing non-destructive leak testing equipment to the global marketplace. LeakMaster air leak testers and automated leak testing systems have become invaluable to those in the Automotive and Heavy Equipment industries as well as in the testing of Engines, Drive Trains, Off road and ATV components, Consumer Products and Medical Devices.

LeakMaster
700 Series
POWER. PERFORMANCE. SPEED.

MODERN CONNECTIVITY
PROVEN SOLUTIONS
TOTAL CONTROL

You just can’t test slow with the 700 Series, LeakMaster’s multi-functional innovation in digital leak testing. The 700 Series is capable of being configured for pressure decay, differential pressure decay or mass flow leak testing and is available in either a Machine Mount or Benchtop enclosure. The optional Ethernet/IP module provides seamless integration with Allen Bradley EtherNet/IP or other compatible devices, eliminates I/O wiring, reducing start-up time and hardware cost. The 700 series instrument provides ultimate control and the ability to capture valuable leak rate data for data collection systems critical for today’s production environment.
**700 SERIES**

**SUPERIOR PERFORMANCE & FEATURES**

**AVAILABLE IN**

PRESSURE/VACUUM DECAY - DIFFERENTIAL PRESSURE - MASS FLOW

DIGITAL TECHNOLOGY PROVIDES OUTSTANDING PERFORMANCE

HIGH FLOW VALVES REDUCE CYCLE TIMES

BUILT-IN DATA COLLECTION WITH AUTO SAVE FEATURE

EASY TO SETUP - INTUITIVE DESIGN

VERSATILE FOR A VARIETY OF APPLICATIONS

---

**RUN SCREEN**

- The large, bilingual, multi-channel display makes leak testing effortless.
- All pass/fail and in-process information is clearly displayed for easy viewing.

**SET UP SCREEN**

- The easy to understand layout reduces set-up time, builds confidence, and eliminates confusion.
- The intuitive design gives unparalleled control, without multiple set-up screens.
- All leak timers and limits are clearly presented in their proper order.

**RESULTS SCREEN**

- Built-in data collection with auto save for proven, effective data collection: without hassle.
- The information is saved as a CSV file for viewing in Microsoft Excel or other text viewers.

---

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>STANDARD</th>
<th>OPTIONAL</th>
<th>APPLICABLE TESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROGRAMS PER CHANNEL</td>
<td>60 on Channel 1</td>
<td>15 on Channel 2</td>
<td>All 700 Series Testers</td>
</tr>
<tr>
<td># OF CHANNELS</td>
<td>1</td>
<td>2</td>
<td>700PD</td>
</tr>
<tr>
<td>Dual Pressure/Fast Fill</td>
<td>NO</td>
<td>YES</td>
<td>All 700 Series Testers</td>
</tr>
<tr>
<td>Calibrated Leak Orifice</td>
<td>1 NIST Leak Per Channel</td>
<td></td>
<td>700PD, 700DP</td>
</tr>
<tr>
<td>Pressure Transducer/Resolution</td>
<td>0-150 Psi/ 30000 PSI</td>
<td></td>
<td>700PD</td>
</tr>
<tr>
<td>DP Transducer/Resolution</td>
<td>0-1.45 PSI / 0.0001 PSI</td>
<td></td>
<td>700DP</td>
</tr>
<tr>
<td>Mass Flow/Sensor/Resolution</td>
<td>0-1000 SCCM / 0.1 SCCM</td>
<td>0.4 LPM / 0.1 LPM</td>
<td>700MF</td>
</tr>
<tr>
<td>Operation Modes</td>
<td>Pressure/Vacuum Decay</td>
<td>Metered Volume</td>
<td>700PD, 700DP</td>
</tr>
<tr>
<td>Inputs</td>
<td>(8) 24 VDC PNP/PNP</td>
<td></td>
<td>All 700 Series Testers</td>
</tr>
<tr>
<td>Communications</td>
<td>Modbus RS485</td>
<td>Ethernet iP5, Profinet®</td>
<td>All 700 Series Testers</td>
</tr>
<tr>
<td>Data Collection</td>
<td>USB, Ethernet FTP</td>
<td></td>
<td>All 700 Series Testers</td>
</tr>
</tbody>
</table>

**700PD** = Pressure Decay
- Single Channel or Optional Dual Channel Testing

**700DP** = Differential Pressure Decay
- Single Channel Testing ONLY

**700MF** = Mass Flow
- Single Channel Testing ONLY
Finally, a versatile leak testing instrument, with the speed and integration features needed to test a huge variety of components such as:

- **ENGINES**
- **DRIVE TRAINS**
- **OFF ROAD & ATV COMPONENTS**
- **CONSUMER PRODUCTS & MEDICAL DEVICES**

Optional **EtherNet/IP** for simple integration and reduced startup cost.

Advanced Diagnostic tools such as **Real-Time Screen Capture** enable easy diagnostic assistance anywhere in the world.

**LEARN MORE AT: LEAKMASTERUSA.COM**