

# LeakMaster

DEFENDER

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**  
**DEFENDER**  
**POWER. PERFORMANCE. SPEED.**

**MODERN CONNECTIVITY**  
**PROVEN SOLUTIONS**  
**TOTAL CONTROL**

**EtherNet/IP™**

You just can't test slow, with The Defender. The Defender is LeakMaster's latest Pressure Decay leak testing innovation specifically designed to reduce integration costs and improve repeatability. **The Defender is ideal for a variety of pressure/vacuum decay leaktesting applications.** It's compact design makes it ideal for applications with limited space. **Standard Ethernet/IP** module for seamless integration with Allen Bradley EtherNet/IP or other compatible devices, eliminates I/O wiring and reduces start-up time and hardware cost. This instrument provides ultimate control and the ability to capture valuable leak rate data for data collection systems critical for today's production environment.

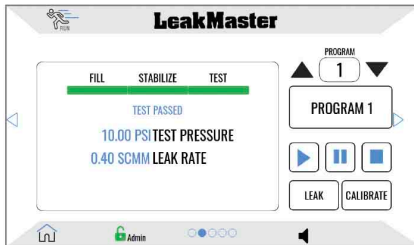
# SUPERIOR PERFORMANCE & FEATURES

## ECONOMICAL SIZE & PRICE!



**NEW AND IMPROVED EtherNet/IP™ FEATURING “SLAVE MODE”**  
**64 BIT PROCESSOR FOR SPEED & REPEATABILITY**  
**24 BIT DIGITAL PRESSURE TRANSDUCER FOR EXTREME RESOLUTION**  
**PRESSURE DECAY OR VACUUM DECAY MODE**  
**EXTREMELY COMPACT DESIGN**

### VERSATILE FOR A VARIETY OF APPLICATIONS



#### RUN SCREEN

- The 5" touchscreen display makes leak testing effortless.
- All pass/fail and in-process information are 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.

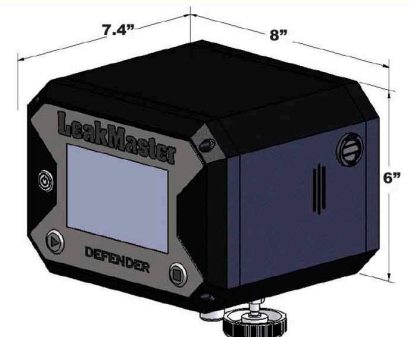


#### RESULTS SCREEN

- 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

FEATURE	STANDARD	OPTIONAL
PROGRAMS PER CHANNEL	10	
# OF CHANNELS	1	
TEST TYPE	PRESSURE DECAY	VACUUM DECAY
INPUTS	(16) 24VDC PNP	
OUTPUTS	(16) 24VDC PNP	
COMMUNICATIONS	DIGITAL IO, ETHERNET IP®	PROFINET
DATA COLLECTION	USB FLASH, FTP	MasterCloud™
PRESSURE REGULATOR	2-100 PSIG	0-2, .5-30, 1-60 PSI





Finally, a compact pressure decay leaktester, with all of the integration features expected to test a huge variety of components such as:

**CASTINGS**  
**PLASTIC MOLDED COMPONENTS**  
**FUEL DELIVERY SYSTEMS**  
**AUTOMOTIVE SUB ASSEMBLIES, & MORE**

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

Remote network connectivity allows LeakMaster to quickly support any tester in the field, and the new optional WIFI module makes network connectivity even easier.

Subscribe to **MasterCloud™**, an exclusive LeakMaster cloud based data storage, that provides easy access to previous result information at any time.

LEARN MORE AT: [LEAKMASTERUSA.COM](http://LEAKMASTERUSA.COM)

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