High-Resolution Leak Testing in a Small Package

The Sentinel MH is the ideal solution when you require a very fast leak test. This requirement is common in several applications within these markets:

- Automotive
- Powertrain
- Consumer Goods
- Energy
- Consumer Electronics
- HVAC/R
- Medical
- Other Transportation

Test Types

The Sentinel MH is an advanced, high-resolution, multifunction leak test instrument. It supports 32 test programs and stores up to 5000 test results. It is a cost-effective solution for multiple tests. The MH can perform the following five tests:

- Differential Pressure/Vacuum Decay - ΔP
- Differential Pressure/Vacuum Decay - ΔP/ΔT
- Differential Pressure/Vacuum Decay - Leak Standard
- Differential Pressure/Vacuum Decay - Leak Rate
- Occlusion (Back Pressure)

NEW: CTSnet LT for Fast, Easy Discovery and Configuration

CTSnet LT is an intuitive user interface that allows easy control of Sentinel MH instruments right from a PC. Using CTSnet LT, you can discover all MH instruments on the network, connect to them, configure all the parameters available on the instrument, then start and stop a test and read the results in real time. You can also upgrade the firmware and backup/restore test programs. Programs can be copied to and from different instruments for faster setup. Configuration details, calibrations and test results can all be exported so you can retrieve historical data at any time.
WHY USE SENTINEL MH?

**Modular, distributable system creates scalable installation options**
Because the Sentinel MH is compact and modular, you can easily build out to the number of channels you need, cost-effectively. Installation of a leak test instrument close to the part under test is a highly desirable capability because it reduces system volume and allows for a more accurate test result. The MH can be placed where you wish and offers PLC communications via serial or Ethernet/IP.

**Plenty of I/O to meet all your needs**
The MH comes with seven inputs and five outputs that are programmable for any function you need.

**Optional electronic regulator**
An optional electronic regulator enables a high-speed test with faster stabilization.

**Flexibility with differential pressure test types**
The MH supports five differential pressure tests so you can choose the test type that’s right for your production line.

**Can be integrated into a machine**
Because it is a small instrument, the MH can be integrated easily into a test station, either in a single bay with manual fixturing, or in a multi-bay setup with automatic fixturing.

**Tested and proven instrument gives you peace of mind**
The Sentinel MH is proven in thousands of installations with CTS customers, providing them with a cost-effective, multi-channel leak test.

**Compatible with QualityWorX CTS DataHub**
The MH supports connection to the QualityWorX CTS DataHub, allowing you to collect and analyze leak test data for traceability.
Achieve IP67 Compliance for Sealed Devices

IP67 is a standard used for addressing leak testing of sealed devices. It differentiates the amount of “ingress protection” (IP) a product has. An IP67-rated product is guaranteed to be dust-tight and sufficiently sealed to withstand immersion in water to a depth of 1 meter for 30 minutes. The Sentinel MH allows manufacturers to produce products that comply with the IP67 standard.

### Key Specifications

Please see the Sentinel MH datasheet for full specifications.

- 32 test programs
- High resolution
- CTSnet LT PC application interface
- Live data streaming
- Stores up to 5000 test results
- Cost effective leak test instrument

For more information on the Sentinel MH, please visit [www.cincinnati-test.com/sentinel-mh](http://www.cincinnati-test.com/sentinel-mh)

---

© 2019 Cincinnati Test Systems. Sentinel is a registered trademark of Cincinnati Test Systems. QualityWorX and Sciemetric are registered trademarks of Sciemetric Instruments ULC. All other trademarks are the property of their respective companies. All rights reserved. No part of this publication may be reproduced without the prior written permission of Sciemetric Instruments ULC. While every precaution has been taken in the preparation of this document, Cincinnati Test Systems assumes no responsibility for errors or omissions. Neither is any liability assumed for damages resulting from the use of the information contained herein. Specifications subject to change without notice. Rev 1 December 2019