Sentinel® MH

COMPACT, HIGH-RESOLUTION INDUSTRIAL LEAK TESTER

Highlights

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

Description

The SENTINEL MH is an advanced high-speed multi-function leak test instrument. It provides high-resolution leak test measurements with fast and repeatable results in a compact modular design allowing placement closer to the part.

APPLICATIONS

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

Specifications

Housing (HxWxD)	6.5 x 3.5 x 8.5 in (165 x 90 x 215 mm) See mounting and clearance diagrams
Electrical	24 VDC +/- 1% 1.5 Amps
Air Quality	ISO 8573-1:2010 [2:2:2] Compressed air or nitrogen only
Pressure Regulation	External (customer supplied) or Internal Electronic regulator
Test Pressure	Vac – 200 psig
Pilot Pressure	55 - 70 psig (3.8 – 4.8 bar)
Operating Temperature	41-104° F (5-40° C)
Operating Humidity	90% non-condensing
I/O	7 Inputs / 5 Outputs
Instrument Weight	4.9 lbs (2.2 kg)

Test Capabilites

- 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)

Interfaces

- Communication via RS232, TCP/IP (Telnet), and EtherNet/IP™
- Tooling control for simple applications
- I/O: 7 inputs / 5 outputs independently set per test program

Measurement Characteristics

Measurement Accuracy*	±0.006 % FS
Measurement Resolution	0.000001 Δpsi
Leak Rate Resolution	0.00005 sccm

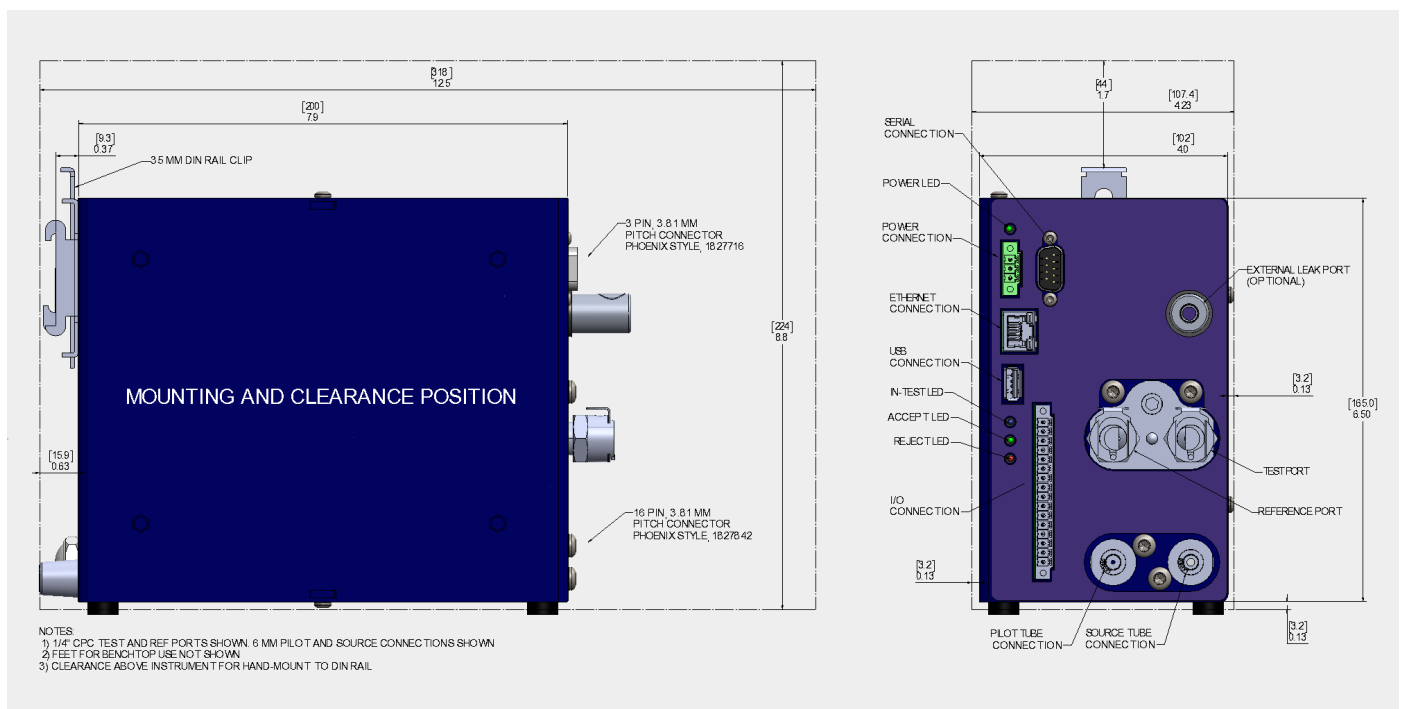*Consult factory for details*

Options

- Electronic regulator
- Multiple pressure ranges
- External leak standard port

Accessories

- Calibrated leak standard
- CTS Connects
- Calibrated adjustable leak simulator
- Filter kit

Mounting and Clearance Position

MOUNTING AND CLEARANCE POSITION

NOTES:
1) 1/4" CPC TEST AND REF PORTS SHOWN. 6 MM PILOT AND SOURCE CONNECTIONS SHOWN
2) FEET FOR BENCHTOP USE NOT SHOWN
3) CLEARANCE ABOVE INSTRUMENT FOR HAND-MOUNT TO DIN RAIL

CTSnet LT

- Intuitive user inteface that allows easy control right from your PC

- Connect → Configure → Run a test (Start/Stop) → Read results

- Monitor test in real-time

- Export configuration, calibrations, and results

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