

**u**son

for good measure

**Qualitek<sup>mR</sup>**

Multi-Range Leak and Flow Tester



for good meas<sup>U</sup>re

Uson's experienced and knowledgeable engineers ensure each customer receives increased testing speed, sensitivity and repeatability. As a pioneer of automated leak detection equipment for medical devices, the automotive, pharmaceutical and medical packaging industries, and others, Uson has more experience in these specialized fields than any other company in the world.

With the largest installed base of leak testers in the industrial, automotive and medical device industries, Uson builds leak detectors and accessories to exacting standards demanded by the world's leading manufacturers. This unrivaled experience and expertise is complemented by global sales and support.

Count on us for quality products and after-sales care.

# sol<sup>U</sup>tion

*A new standard in testing...from a name you trust*

Qualitek mR combines the latest advances in multi-range (mR) testing technology with the expertise and reliability of one of the premier names in testing. Head and shoulders above any other tester of its type on the market, this versatile and affordable product offers high-quality and accurate results for light- to medium-duty applications.

For many years, Qualitek has been the proven standard for fast, reliable leak testing in industrial markets. Today's new mR line combines the best features of predecessors into one efficient and easy-to-use tester. Backed by Uson's world-renowned reputation, Qualitek mR sets a new benchmark of accuracy and dependability.

*The next generation of leak detection*

Designed to be used on the benchtop or mounted into automated systems, Qualitek mR is impressively simple to use. The convenient and easy-to-read display lends efficiency and helps prevent errors. But don't be mistaken—the most sophisticated technology available is built into every single Qualitek mR unit.

Qualitek mR is a highly configurable system that accepts a full range of tests and transducers. It contains the most current leak testing technology, including a powerful toolbox complete with a full menu of options including:

- Pressure profile
- Charting
- Data analysis
- Programs storage
- Scroll-and-click control wheel

acc<sup>u</sup>racy

Versatile and affordable, the Qualitek mR offers high-quality and accurate results for light- to medium-duty applications. It hasn't been tested until it's been Qualitected.

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CHANNEL

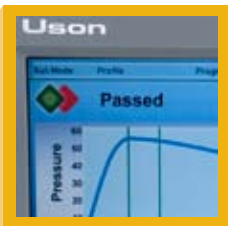


# QUALITEK mR



## *Key features*

- 1.1 – Color graphics touch screen display on an adjustable base provides optimal viewing
- 1.2 – Easy-to-use interface walks users through a system of intuitive menus
- 1.3 – Key switch locks in programming for secure testing
- 1.4 – USB ports offer convenient connection to data storage and other devices
- 1.5 – Scroll and click control wheel makes navigation easy
- 1.6 – Comprehensive rear communications ports and easy accessibility
- 1.7 – Pop up keyboard for easy increment/decrement of numerical parameters



**1.1 Enhanced, touch screen graphic capabilities**



**1.2 Intuitive menus**



**1.3 Lock-in programming**



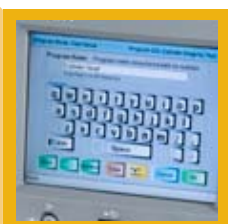
**1.4 Simple connectivity**



**1.5 Easy Navigation**



**1.6 Flexible and adaptable**



**1.7 Pop up keyboard**

**Designed with a new level of user-friendly accuracy**

The stellar qualities that have made Qualitek one of the world's leading leak testing brands have been brought together and maximized to make the new Qualitek mR line the most versatile and accurate ever.

More than any other tester in the field, it is:

- Easy and intuitive to use
- Easy to learn and teach others to use
- Easy to integrate
- Easy to adjust for maximum readability; computer-style mount allows effortless angle changes for optimum viewing



**Touch screen**

Qualitek mR's versatility gives you the valuable option of using the same testing platform for several techniques, saving time and effort by training personnel on one product. Comprehensive communication options, which offer straightforward integration with peripherals or automation equipment, include:

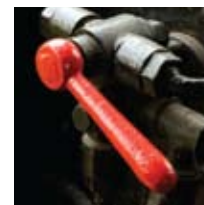
- USB
- Ethernet
- RS 232
- Digital I/O for PLC interface
- Modbus, Profibus, Device Net
- E-mail alerts

This exciting tester also has a hidden asset that offers outstanding value to every client. Qualitek is made by Uson, the authoritative pioneer in leak testing. Every tester is backed with our solid reputation and comes complete with support from our expert sales and service team to ensure a long and productive lifetime of use.

**Examples of Applications**



**Faucets  
Pumps  
Valves**



**Head Lamps  
Castings  
Washer Fluid Bottles**



**Shower Heads  
Ink cartridges  
Cylinders**

The full list of applications includes many other products designed to contain, transfer, or keep at bay all kinds of fluids. Even if your product is not listed here, Uson can still provide you with a leak test solution.

### **Test Capabilities**

Select from:

- Pressure Decay Testing – Differential or Gauge
- Pressure Increase Testing
- Sealed Component Testing
- Vacuum Decay Testing
- Occlusion Testing
- Back-Pressure Testing
- Mass Flow Testing – Standard or Differential
- Laminar Flow
- Seal Creep Testing
- Vacuum Force Decay

### **Specifications**

**Model:** Qualitek mR

**Description:** Multi-Function Leak & Flow Tester

**Display:** 8.5" Diagonal 640 x 480 Color Graphic Backlit Touch-Screen LCD

**Digital I/O:** 5 outputs, 11 inputs – standard  
8 outputs, 16 inputs – option

**Communication:** RS 232, USB, Ethernet, Modbus, Profibus, Device Net

**Languages:** English, Spanish, German (user selectable)

*Note: Custom languages also available*

**Test Programs:** 100

**Test Channels Available:** 1

**Enclosure Dimensions:** 7"(H) x 10.8"(W) x 12" (178mm x 275mm x 305mm)

**Power Supply:** 100-240VAC 50/60Hz (Auto Sensing & Switching)

**Pressure Range:** Up to 225 psig/15 bar differential  
Up to 500 psig/35 bar gauge

**Flow Range:** Up to 20 liters per minute

**Units:** User selectable from a selection of 15 flow and pressure units of measure

**Calibration:** NIST Traceable

**Leak Measurement:** Calculated flow or delta pressure

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