



Uson

Qualitek 622



The **Qualitek 622** is an advanced mass flow meter and leak tester for testing a wide range of components and assemblies in the appliance, industrial and automotive markets where flow measurement is critical to product quality and safety.

Increased Throughput

The Qualitek 622 is fast, dry, non-destructive and can detect and quantify leaks as low as 1ml³ per hour in a matter of seconds.

Make Product Adjustments While You Test

The Qualitek 622 has a discrete and continuous measurement mode allowing users to make adjustments until products are within specification. Individual tests or programmed sequences of tests can be performed.

Setup Takes Less Than One Minute

Controls are large and easy to use and test parameters can be secured with the front mounted key switch.

Eliminate Mistakes

The Qualitek 622 has a two-line vacuum fluorescent display with a wide angle of vision. Results are clearly visible in any light conditions, and the instrument has large, bright pass/reject indicators.

Be Confident That Results Are Valid

Calibration is traceable to National Standards for accurate, repeatable testing.

Capture Data For Statistical Process Control

A RS232 port is provided and Uson can supply PC based SPC software.

Operate the Qualitek 622 Remotely

An optional I/O interface card is available and is easily installed to facilitate remote operation.

Accessories and Options

- Autocouple kit
- I/O interface card for remote operation of the unit
- Remote start/Reset kit
- Filter regulator
- Test port filter kit
- Leak masters for user calibration
- Extensive range of autocouplings for sealing internal and external ports
- Printer
- SPC software
- Uson calibration service
- Flow control version

Specifications

Model Qualitek 622
Description Mass flow meter for fast, clean and non-destructive leak detection and flow measurement

Flow Measurement

Measurement Ranges Nine flow measurement ranges from 300 smlh to 100 slm* dependant on application

Resolution 0.1%

Repeatability $\leq \pm 1.0\%$ of full scale

Flow Element Mass flow transducer

Pressure Measurement Ranges
-950 mbar/-95 Kpa/-14 psig
70 mbar/7 Kpa/1 psig
500 mbar/50 Kpa/7 psig
4 bar/400 Kpa/60 psig
7 bar/700 kPa/102 psig

Pressure Measurement Gauge transducer

Resolution $\leq 1.0\%$ of full scale

Repeatability $\leq \pm 1.0\%$ of full scale

Linearity $\leq \pm 1.0\%$ of full scale

No of Programs 32

No of Sequences 32 with a maximum of 5 steps

Pressure Regulator Manual

User Interface Full alphanumeric vacuum fluorescent display
Start and reset buttons
Tactile programming keys

Serial Communication Interface Nine pin (D type) RS232 port

Statistical Parameters Max, min, average pass, average fail

Electrical Supplies 90-265 V, 50-60 Hz

Air Supplies Clean and dry 4.0-10 bar, (60-150 psig)
Particulate matter <25 microns
Dew point 17°C (63°F)
Oil mist < 0.1 mg/m³

Pneumatic Connections Flow dependant

Dimensions* (h x w x d) 150 x 490 x 370 mm
(6 x 19.5 x 14.5 in)

Weight* 14 Kg (31 lbs) (net)

Manufacturing Standards To ISO 9001:2000
Certified to CE requirements

*100 slm model comprises two 3U enclosures

Due to a program of continuous product development, specifications may change without notice.

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