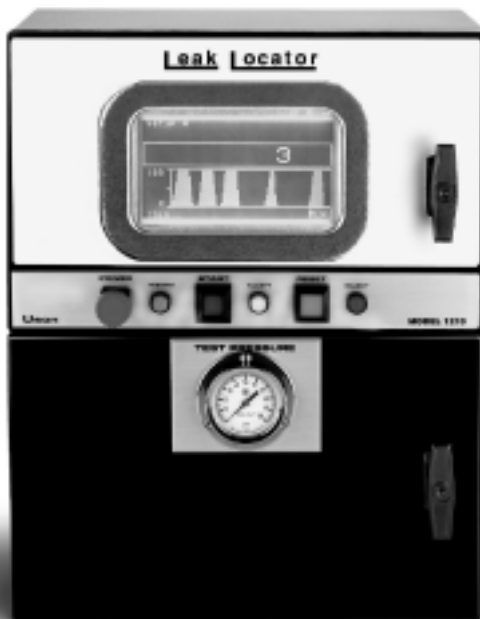


The logo icon for Qualichek 1210 consists of two overlapping diamond shapes, one dark green and one light green, positioned to the left of the product name.

Qualichek 1210



The Qualichek 1210 is perfect for testing a wide range of industrial products and assemblies when leak location must be identified quickly and efficiently.

Applications

Locate leaks in finished products, parts and subassemblies with Uson's Qualichek 1210 trace gas detector. The Qualichek pinpoints leaks that are difficult or impossible to find with soap film, dunk tanks and other mechanical techniques. The rugged Qualichek 1210 is well-suited for demanding, high-speed manufacturing operations in various industries.

Base Unit

The stationary unit contains the main display, program memory, electronics to process signals from the handset, and pneumatics to control gas to the product.

Display

The 5.5 inch screen shows a real-time scrolling graph of gas concentration.

Programs

Two programs store setup parameters for two different tests.

Electronics

Power supply, main electronics, and gas control logic are housed in the upper portion of the base unit. The enclosure is NEMA-4 rated for industrial environments.

Pneumatics

Two valves and relays for the introduction of the trace gas into the test part are contained in the lower section of the NEMA-4 base. Additional valves and relays can be added.

Handset

The unique sensor-indicator handset sets the Qualichek 1210 apart from other trace gas detectors. The handset offers four methods to alert the user of leakage.

- Audible tone
- Vibration in handle
- LCD numeric reading
- Extra-bright flashing red LED

Using the various alert functions, operators can focus on exactly where the sensor is placed and still get information about potential leaks. Any or all alert functions can be active at once. Each alerting method provides feedback to the user proportional to the amount of trace gas detected at the leakage point.

Included with the handset are three different length nozzles: 177, 304 and 609 mm (7, 12 and 24 in). The autozero adjusts for ambient trace gas and humidity to improve speed and efficiency.

Operation

Sensitivity

The lower the sensitivity, the faster the recovery time. The sensitivity selected is based on the amount of leakage anticipated and the required testing speed.

Valve Activation Steps

The Qualichek 1210 houses valving and valve control to supply the trace gas (Helium or Argon) to the product under test. If the Qualichek 1210 is set to control the Helium or Argon, the valve times and the valve sequence are set. This is a very simple procedure using the base unit's large display.

Pneumatic configurations are available for low- or high-flow part-filling applications.

Tracer Gas

Select either Helium or Argon as the tracer gas. Helium provides the greatest sensitivity.

Alert Methods

Any or all alert methods can be active at the same time.

Ready to Test

The Qualichek 1210 can be used immediately. Tests can be initiated at the base unit and also from the handset.

Specifications

Model	Qualichek 1210
Description	Leak locator
Dimensions (h x w x d)	Base unit 520 x 410 x 520 mm (20.5 x 16.25 x 20.5 in)
Probe	Hand held, lightweight (3 lbs)
Detector Type	Thermal differential
Recovery Time	Less than 0.5 sec (typical)
Detected Gases	Helium or Argon
Sensitivity Settings	8
Greatest Sensitivity	0.2 cc/m (Helium)
Base Unit Enclosure	NEMA-4 rating
Automatic Idle Mode	Yes (motion sensor)
Cable	Standard is 25 ft (8 m)
Options	External outputs (9 additional) Three valve relays are standard 50 ft (16 m) cable
Manufacturing Standards	To ISO 9001:2000 Certified to CE requirements

Due to a program of continuous development, specifications may be changed without notice.

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