

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT/VARIAN

Agilent / Varian 990 CLD Leak Detector Control Unit

Agilent/Varian Industrial Controllers & PLCs. Voltage / Current Range: 120 VAC input; 115–120 VAC operational, Voltage: 120 VAC (operational range 115–120 VAC).



MODEL

Agilent/Varian 990 CLD

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

990 CLD

LISTING

<https://aumictechlabs.com/products/990-cld-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Varian 990 CLD Leak Detector Control Unit is a modular electronics module designed to command and monitor helium leak detection systems with high sensitivity and fast response. This control unit separates from sensing and vacuum pump modules by up to 15 feet, enabling flexible test system architecture across industrial and laboratory environments. The unit operates on 120 VAC input, consuming 375 W, and delivers 12 discrete control outputs and 6 monitored inputs for complete system integration. Technical Specifications Manufacturer: Agilent / Varian Model: 990 CLD (variants: 990CLD, 990-CLD) Input Voltage: 120 VAC (operational range 115–120 VAC) Power Consumption: 375 W Separation Distance: Electronics module to sensing/pump modules, up to 15 feet Response Time: Typically <0.5 seconds Weight (shipping): Approximately 20 lbs Key Features High-sensitivity leak detection in vacuum and sniffing modes 7-inch color TFT touchscreen with selectable language interface (English, French, German, Japanese, Korean,

Mandarin, Spanish) 12 control outputs and 6 control inputs for instrument command and data acquisition RS232 and analog interfaces as standard; optional Discrete I/O Automated test cycling with programmable roughing time, test duration, and reject thresholds Configurable set points for leak rate, pressure, and audio indicators Automated or manual calibration routines Auto-zero and push-button background suppression functions Typical Applications Helium leak testing in manufacturing QA, component sealing verification, vacuum system integrity validation, and containment chamber certification. Compatibility & Integration Designed for integration into virtually any leak testing system. Optional Turbo-V60 Leak Detector PCB Controller available. Unit is discontinued by manufacturer; availability may be sourced through third-party suppliers.

990CLD Characteristics / Specifications

PARAMETER	VALUE
Model	990 CLD
Instrument Type	Helium mass spectrometer leak detector control unit
Product Name	990 dCLD II
Ambient Operating Temperature	5 C to 40 C (41 F to 104 F)
Operating Temperature With Cooling	50 C (122 F) with optional cooling
Power Low Range	96 VAC to 144 VAC, 47 Hz to 63 Hz
Power High Range	176 VAC to 264 VAC, 47 Hz to 63 Hz
Heat Load	350 W typical
Maximum Current	3 A / 1.5 A, 350 W
Fuse Rating	5 A, 250 VAC, slo-blow
Control Unit Size	19 inch rack, 5.25 in high by 16.5 in deep (48.26 cm rack, 13.33 cm by 41.91 cm including mating connectors)
Control Unit Weight	12.3 kg (27 lb)
Spec Tube Size	19 in wide by 9 in high by 8 in deep (48.26 cm by 22.86 cm by 20.32 cm class)
Spec Tube Weight	7.7 kg (17 lb)
Pump Type	turbomolecular pumped spectrometer tube assembly
Display	optional industrial touch panel, front or remote, removable in production
Conformance	applicable UL, CSA, and CE standards on the 990 dCLD II table
Manufacturer	Agilent Varian
Use Case	production helium leak detector controller
Literature	Varian/Agilent 990 dCLD II leak detector specification table
Family	Varian 990 component leak detectors
Documentation Type	OEM 990 dCLD II table
Brand Lineage	Varian Agilent
System Role	leak detector control and spec tube

PARAMETER

VALUE

Form Factor

19 inch rack control unit plus spec tube

Communications Class

remote communications for dedicated leak testing systems

Operating temperature

5 C to 40 C (41 F to 104 F)

990CLD Specifications

PARAMETER	VALUE
Agilent Varian 990 CLD Helium Leak Detector Control Unit	Overview
Key Features	Rack mount 990 dCLD II control unit
Optional remote touch panel	96-144 V or 176-264 V 47-63 Hz
Technical Specifications	Model: 990 CLD

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	5 C to 40 C (41 F to 104 F)
Operating Temperature	5 C to 40 C (41 F to 104 F)
Operating Temperature With Cooling	50 C (122 F) with optional cooling
Power Low Range	96 VAC to 144 VAC, 47 Hz to 63 Hz
Power High Range	176 VAC to 264 VAC, 47 Hz to 63 Hz
Heat Load	350 W typical
Maximum Current	3 A / 1.5 A, 350 W
Fuse Rating	5 A, 250 VAC, slo-blow
Control Unit Size	19 inch rack, 5.25 in high by 16.5 in deep (48.26 cm rack, 13.33 cm by 41.91 cm including mating connectors)
Control Unit Weight	12.3 kg (27 lb)
Spec Tube Size	19 in wide by 9 in high by 8 in deep (48.26 cm by 22.86 cm by 20.32 cm class)
Spec Tube Weight	7.7 kg (17 lb)
Pump Type	turbomolecular pumped spectrometer tube assembly
Display	optional industrial touch panel, front or remote, removable in production
Conformance	applicable UL, CSA, and CE standards on the 990 dCLD II table
Manufacturer	Agilent Varian
Use Case	production helium leak detector controller
Literature	Varian/Agilent 990 dCLD II leak detector specification table
Family	Varian 990 component leak detectors
Documentation Type	OEM 990 dCLD II table
Brand Lineage	Varian Agilent
System Role	leak detector control and spec tube
Form Factor	19 inch rack control unit plus spec tube

PARAMETER	VALUE
Communications Class	remote communications for dedicated leak testing systems Notes From Varian/Agilent 990 dCLD II specification table (5-40 C, dual AC ranges, 350 W, 3 A/1.5 A, 5 A fuse, 19-inch 5.25 × 16.5 in 12.3 kg control unit, 7.7 kg turbo spec tube). Minimum detectable leak and noise figures belong on the 990 dCLD II sensitivity rows of that brochure.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	990 CLD
Instrument Type	Helium mass spectrometer leak detector control unit
Product Name	990 dCLD II
Ambient Operating Temperature	5 C to 40 C (41 F to 104 F)
Operating Temperature With Cooling	50 C (122 F) with optional cooling
Power Low Range	96 VAC to 144 VAC, 47 Hz to 63 Hz
Power High Range	176 VAC to 264 VAC, 47 Hz to 63 Hz
Heat Load	350 W typical
Maximum Current	3 A / 1.5 A, 350 W
Fuse Rating	5 A, 250 VAC, slo-blow
Control Unit Size	19 inch rack, 5.25 in high by 16.5 in deep (48.26 cm rack, 13.33 cm by 41.91 cm including mating connectors)
Control Unit Weight	12.3 kg (27 lb)
Spec Tube Size	19 in wide by 9 in high by 8 in deep (48.26 cm by 22.86 cm by 20.32 cm class)
Spec Tube Weight	7.7 kg (17 lb)
Pump Type	turbomolecular pumped spectrometer tube assembly
Display	optional industrial touch panel, front or remote, removable in production
Conformance	applicable UL, CSA, and CE standards on the 990 dCLD II table
Manufacturer	Agilent Varian
Use Case	production helium leak detector controller
Literature	Varian/Agilent 990 dCLD II leak detector specification table
Family	Varian 990 component leak detectors
Documentation Type	OEM 990 dCLD II table
Brand Lineage	Varian Agilent
System Role	leak detector control and spec tube

PARAMETER	VALUE
Form Factor	19 inch rack control unit plus spec tube
Communications Class	remote communications for dedicated leak testing systems

Notes

From Varian/Agilent 990 dCLD II specification table (5-40 C, dual AC ranges, 350 W, 3 A/1.5 A, 5 A fuse, 19-inch 5.25 x 16.5 in 12.3 kg control unit, 7.7 kg turbo spec tube). Minimum detectable leak and noise figures belong on the 990 dCLD II sensitivity rows of that brochure.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.