YOKOGAWA

H25C
INDUSTRIAL HALOGEN LEAK DETECTOR

For All Existing and New Alternative Refrigerants

- *High sensitivity for both chlorine and fluorine based refrigerants*
- *Built-in R134a Leak Standard with a 10 second automatic calibration for R-12 or R134a*
- *Pass/Fail test mode*
- *New mini-probe– easier access for confined applications (Optional)*
- *Readout in oz/yr., g/yr., or x 10^{-5} ml/second*
- *Long sensor life*
- *Switchable search mode with up to 10 times the sensitivity of the alarm set point*
- *Excellent background rejection*
- *Analog output: 0 - 1 VDC (Optional)*
- *Relay alarm output (Optional)*
- *Hybrid display (Analog bargraph and digital)*
- *Operation status prompts (Air flow alarm, calibration request, etc.)*

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Yokogawa's H25C, designed with accuracy in mind, provides simple set-up procedures with its strong user friendly operations. The H25C's longer sensor life has the flexibility to test for chlorine or the new fluorine based refrigerants and the versatility to be automatically or manually calibrated.

The features of the H25C, combined with excellent detection sensitivity for halogen based gases, assure the performance required to produce consistent repeatable results. Simply put, the H25C is the most accurate and reliable Industrial Leak Detector on the market.

How it works.

Yokogawa's patented chassis mounted "Heated Diode" sensor and air pump allows the gas sample to be drawn into the unit and mixed with clean air. This provides stable performance and extends sensor life. The H25C's rugged, drop proof design probe provides a long and durable life.

BUILT RUGGED.
For An Industry That Demands It.

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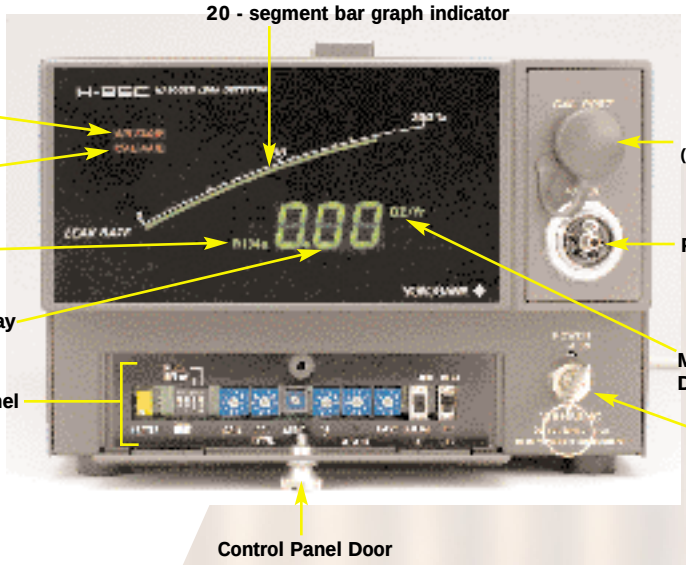
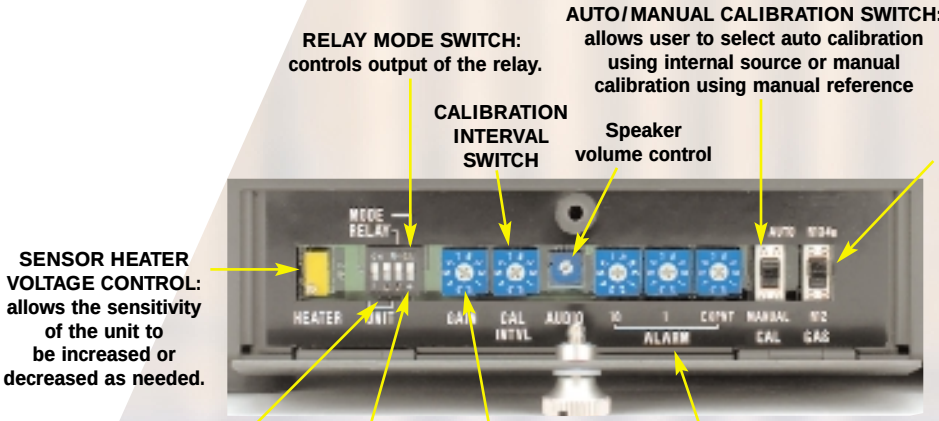
Designed to be user friendly, the H25C's front panel has two sections. Each is explained, demonstrating the extensive features that deliver accuracy and repeatability without compromising the user's ability to make adjustments on-the-fly.



Panel Layout



Controls Layout

MULTIPLE GAS DETECTION

VARIABLE ALARM LEVEL

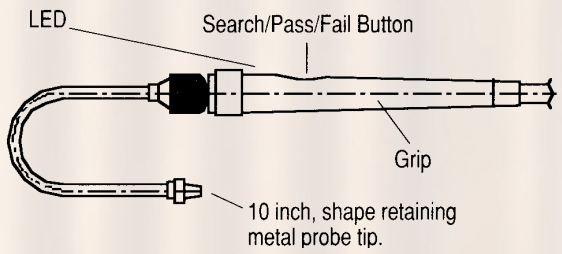
QUANTIFIES LEAKS

BUILT IN CALIBRATION

BUILT RUGGED.

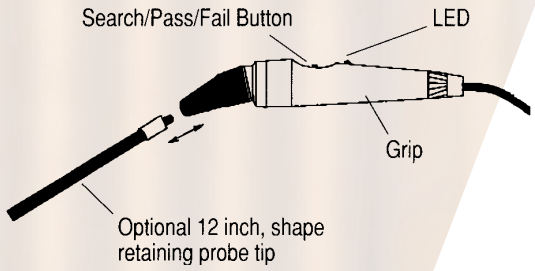
For An Industry That Demands It.

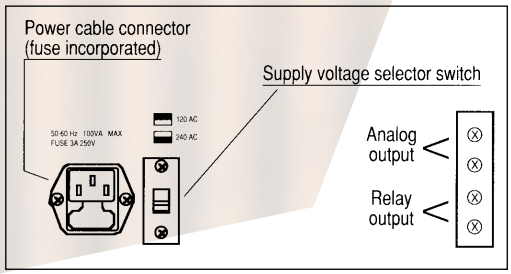
STANDARD PROBE – HANDLE 7¼"



Probe Assembly

MINI PROBE – HANDLE 3⅜"





Pictured Model 120/240 VAC

Back Panel

H25C Ordering Guide

MODEL	NAME
H25C	Industrial Halogen Leak Detector
SUFFIX CODE	**DESCRIPTION**
-N	No Automatic Calibration
-1	Automatic Calibration
-N	No Relay Output
-1	Dry Contact Relay Output (*1)
-5	110/115V AC, 50/60 Hz
-6	120/240V AC, 50/60 Hz
-7	110/220V AC, 50/60 Hz
-N	No Analog Output
-1	0-1 VDC (*2)
-E	Instruction Manual
-P0	6 ft. Mini Probe Assembly
-P1	15 ft. Mini Probe Assembly
-P2	6 ft. Standard Probe Assembly
-P3	15 ft. Standard Probe Assembly
-P4	25 ft. Standard Probe Assembly

(*1) – SPST, Energize Close, Open @ Alarm 2A @ 30VDC/2A @250VAC
(*2) – Analog Output: Resistance: 1 ohm

Leak Standards

Yokogawa manufactures a line of unique Leak Standards for both chlorine and fluorine based refrigerants. These products permit high accuracy calibration or verification of calibration for either chlorine or fluorine based gases.

LS20B

1-800-258-2552
www.yca.com

RELIABILITY • EXCELLENCE • INNOVATION • PERFORMANCE

YOKOGAWA

80 Years of Innovative Technology

H25C Specifications

Gas Measured: R134a or R-12. In addition most ASHRAE listed refrigerants can be measured accurately utilizing manual calibration with optional LS20B Leak Standard containing the refrigerant of choice. Contact factory for availability.

Measuring Range:

oz./yr	G/yr.	St'd ML/sec.
0.05 – 5.0	1.4 -99	0.9×10^{-5} to 90×10^{-5}

Measuring Mode: Search mode and Pass/Fail mode. The Search mode is the normal testing mode. The Pass/Fail mode is activated by pressing the probe switch.

Measured Gas Selection: Switch selectable R134 or R-12
Note: In order to extend the life of the sensor and charcoal canister filter, and also to improve the stability of R-12 measurement, it may sometimes be necessary to calibrate the H25C with an R-12 leak standard instead of the internal R134a leak standard. (Consult factory)

Display: Digital and analog. Leak detection is also indicated by an LED on the probe and a proportional volume audio tone.

Response Time: Approximately 1 second with the 6 foot probe

Calibration: Automatic calibration for R12 or R134a using built-in leak standard or manual calibration using LS20B Leak Standard containing refrigerant desired.

Display Alarm: 1) Reduced air flow
2) Calibration failure

Unit Selection: Switch selectable for 0z./yr., g./yr., or 10^{-5} ml/sec

Sensor Type: Cationic emission type sensor ("Heated Diode")

Alarm Set-Point Sensitivity: Setting range (same as measuring range)

Volume Control: Adjustable

Power Requirements: 100/115V AC, 110/220V AC, or 120/240V AC, 50 and 60 Hz. Power Consumption: 100 VA

Optional Function: Analog output: 0 to 1V DC
Relay Output: NC or NO
Contact Rating: 250V AC, 2 A
30V DC, 2 A

Weight: 22 lbs.

Size: 6" x 11" x 18"

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Represented by:

H25C
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Accessories and Spare Parts

ITEM	DESCRIPTION
K9346KA	Maintenance Kit
K9346SB	Flexible Probe Tip
H25C02	Sensor
K9346WA	Filter Canister + Spare Filter Pack
K9346MA	6 ft. Miniprobe
K9346MB	15 ft. Miniprobe
K9346TA	6 ft. Standard Probe
K9346SA	15 ft. Standard Probe
K9346TB	25 ft. Standard Probe
K9346WM	5 Filter Packs
B9017MC	Operations Video
B9017LN	Probe Tip Filters (100)
K9346XN	Internal Disc Filter