



ETHANE IDENTIFIER®

Differentiates utility distributed gas from fermentation gas, in the field

The Heath Ethane Identifier is a self-contained, portable combustible gas analyzer designed to differentiate between gas distributed by a utility and fermentation gas often present in the ground or subsurface structures. Ethane is present in significant concentrations in natural gas, but is not present in the general run of conflict gases, such as marsh gas, soil gas, landfill gas and sewer gas; therefore, ethane becomes an excellent “tracer or benchmark” in determining the presence of natural gas.

Ruggedly constructed for field applications, the Heath Ethane Identifier is relatively unaffected by ambient temperature conditions, and will operate approximately 12 hours with a single cylinder of compressed air.

Usually, the detection and analysis of ethane is accomplished in a laboratory by using a gas chromatograph. There are, however, specific occasions when it is impossible or impractical to “trap” a sample and send it to a laboratory. The Heath Ethane Identifier fulfills this requirement with quick, accurate indications, right in the field.

The Heath Ethane Identifier comes complete with an aspirator bulb, lecture cylinder of compressed air, regulator assembly with gauges, sample line with lexan probe and manual.

Ethane is stripped-out at the gas fields or scrubbing centers and diverted to the petrochemical industry. However, residual Ethane still remains as the “tracer or benchmark” for the identification of natural gas, but requires a more sensitive instrument for detection. Heath has recognized this problem, and consequently, has engineered this instrument by combining semiconductor and chromatographic technology in a single package. The Heath Ethane Identifier can detect and identify the Ethane content in natural gas to approximately 50 ppm. With the Ethane Identifier, Ethane can readily be detected in the 2 1/2% (50 LEL) sample of natural gas which contains only 1% Ethane by volume.

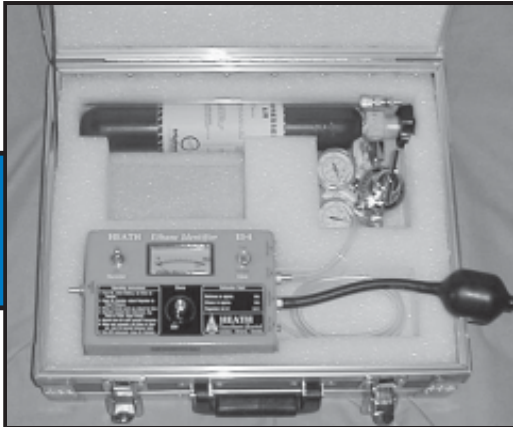


Features:

- *Detects the presence or absence of Ethane in approximately two minutes.*
- *Detects Ethane in natural gas when only 1% Ethane by volume is present.*
- *Low temperature sensor will not cause ignition or spreading of the flame.*
- *Portable and self-contained.*
- *Requires no external power supply.*
- *Easily replace parts or perform maintenance in the field.*
- *Orange metal case is field durable and highly visible.*
- *Easy to operate.*
- *Recorder output jack.*

See back for specifications and ordering instructions

ETHANE IDENTIFIER®



Specifications

Weight:	Complete unit 16 lbs. (7.5 kg) with case.
Dimensions, H-W-L:	3.5 x 4.5 x 8.5 ins. 9 x 12 x 22 cm.
Sensitivity:	50 ppm Ethane or will detect Ethane in a 1/2% sample of natural gas containing 1% Ethane by volume.
Power Supply:	4 "D" cells Recommend - alkaline.
Operational Time:	Alkaline "D" cells – 12 hours
Cylinder Capacity:	56L. @ 12248 Kpa. 9 S.C.F. @ 1800 PSIG
Output:	Analog meter display.
Sensor:	Semiconductor type.
Sample System:	1.5M. (5') Tygon tubing 38 cm (15") Lexan probe
Carrying Case, H-W-L:	7 x 13 x 16 in. 18 x 33 x 41 cm.

HOW TO ORDER

Heath Ethane Identifier

Heath Part No.
1106633

Heath Ethane Identifier with Recorder

Heath Part No.
1106633-1

Recorder only

Heath Part No.
101881-0



Recorder



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