

# Hydrocarbon Analyzer

**KIMOTO**

model **HA-771**

Continuous hydrocarbon analyzer based on hydrogen flame ionizing detection method (FID) complying with JIS B 7956.



High sensitivity continuous measurement of CH<sub>4</sub>, NMHC and THC.

*HA-771 simultaneously-measures both methane and nonmethane hydrocarbons by separating the air sample using the gas chromatograph. The FID sensor detects the ion generated by burning in the hydrogen flame as very small electric current.*

Ethernet interface is available as standard equipment for digital telemetering

Large capacity memory to save measured data for over a year.

USB memory for general-purpose is available to data extraction.

Simple operation on a large color LCD touch panel offers a lot of information.

## General Specifications

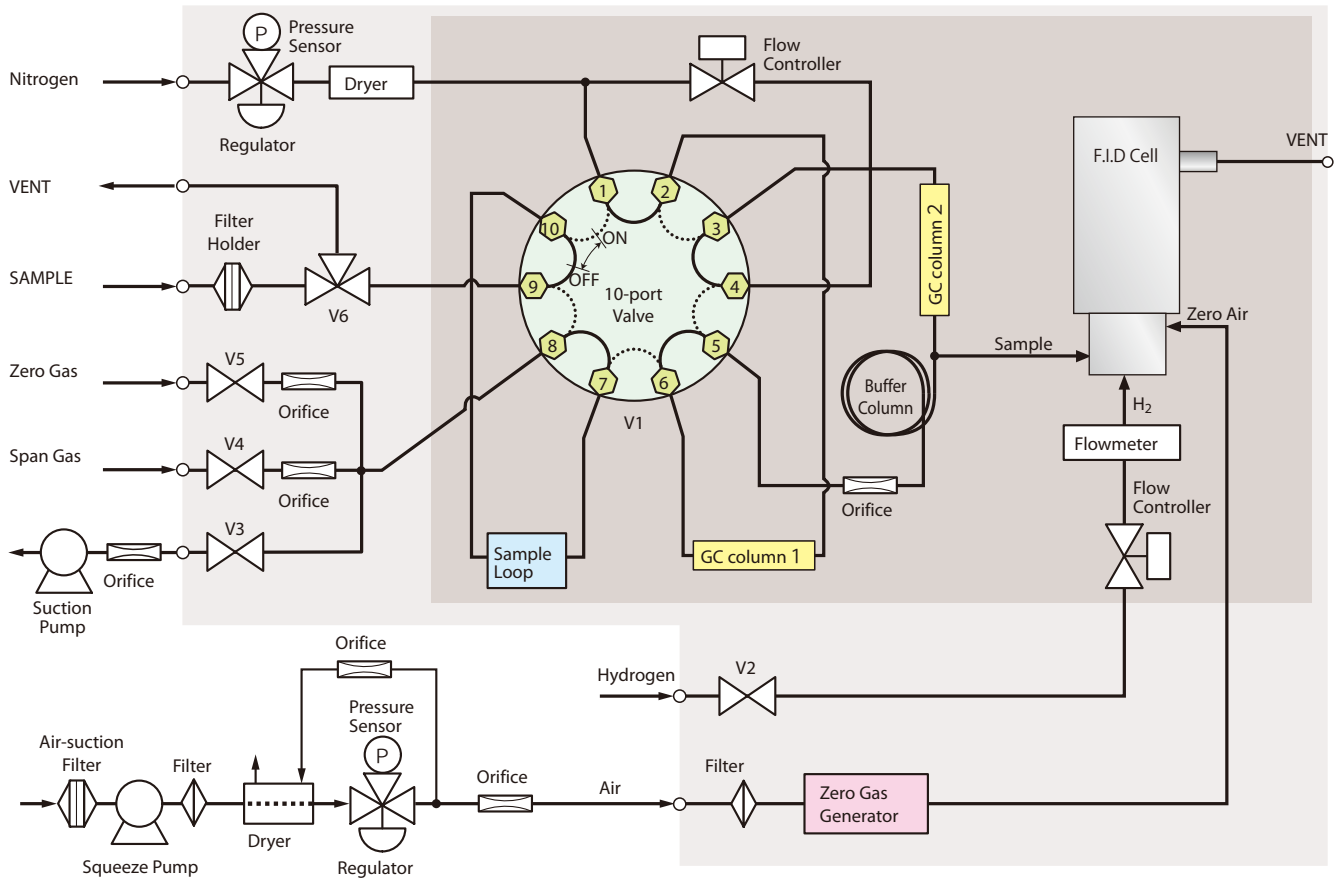
Measuring object	Hydrocarbons (CH <sub>4</sub> , NMHC, THC) in the ambient air	Permissible ambient temperature range	0 - 40 °C
Measuring method	Gas chromatography method with FID	Sample flow rate	approx. 0.5 L/min
Measuring range	0 - 50 volppmC	Dust filter	φ47mm PTFE filter
Analog output range	0 - 5 / 10 / 20 / 50 volppmC 4 range auto/manual switching *Starting range is selectable *Fixed range is also available	LCD display	Measuring data, Output range, performance and control information, Messages, Alert, Chromatographic chart
Repeatability	NMHC: ± 2% F.S., CH <sub>4</sub> : ± 1% F.S.	Internal data memory	Measuring data (1min, 1h data), Operation history, Messages, Alert
Zero drift	NMHC: ± 2% F.S./ day, CH <sub>4</sub> : ± 1% F.S./ day	Digital IN/OUT	Ethernet, USB1.1, RS232C
Span drift	NMHC: ± 3% F.S./ day, CH <sub>4</sub> : ± 2% F.S./ day	Output for chart recorder (optional)	Measuring data, 1h mean value, Daily report, Status
Linearity	NMHC: ± 4% F.S., CH <sub>4</sub> : ± 2% F.S.	Analog output for telemeter (optional)	DC 0 - 1V : Continuous data, 1h mean value Contact signal : Output range, external reset, adjusting, power discontinuity, disconnecting, system failure, etc.
Stability to voltage fluctuation	NMHC: ± 2% F.S./ 100 ± 10V CH <sub>4</sub> : ± 1% F.S./ 100 ± 10V	Power requirement	AC100V 50/ 60Hz approx.300VA
Measuring cycle	6 min.	Withstand voltage test	AC1000V 50/ 60Hz during 1 min.
Auto ignition	at power-on state, at power fail recovery	Insulation resistance	More than 5 MEG
Interference of moisture	NMHC: ± 3% F.S., CH <sub>4</sub> : ± 2% F.S.		

\*For further information, please contact us.

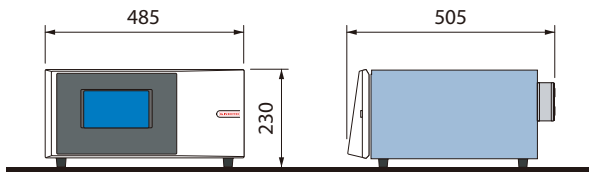
## Optional

Rack mount	A17: H875mm rollaway rack A22: H1100mm rollaway rack	Analog I/O unit for a telemeter	TU07 : terminal block (Rear connection with rack mount)
Recorder	Chart width:180mm	Auxiliary gases supply	Hydrogen generator, Nitrogen gas cylinder

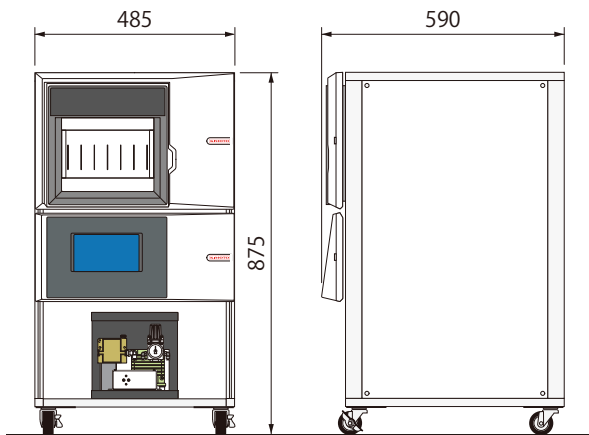
## Flow Diagram



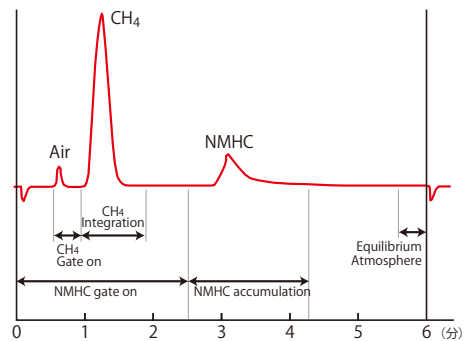
## Dimensions



Desktop type (approx.16kg without pumps)



Rack-mount type (A17) (approx.52kg without pumps)



## Product Code

HA-771- [ ] [ ] [ ] [ ]

T1	Desktop type
A1	A17 Rack
A2	A22 Rack
R	Chart Recorder
0	No use
T	Analog I/O unit for a Telemeter TU07
0	No use
1	Measuring range 0 - 20ppm C
2	Measuring range 0 - 50ppm C



**CAUTION**

\*) Operation manual should be read before measuring.

\*) To avoid fire, break down and electric shock, do not use this analyzer at the place where beside water, high moisture, dust or oily smoke.



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