

# 11. PORTABLE HYDROCARBON SURVEYOR PPM/LEL COMBUSTIBLE SURVEY METER

## MODEL SP-237H

The model SP-237H is highly-sensitive portable instrument with a four selective wide-range indicator for testing the toxic and combustible levels of hydrocarbon, methane or organic gas and vapors in industrial work areas. Designed primarily to meet the special requirement of industrial hygienists, it is also ideal for other uses requiring broad range sensitivity. It provides good readability from 0 to 100/1000 parts per million (PPM) and 0 to 20/100% lower explosive limit (LEL). Because of its high sensitivity, the Surveyor is also used in arson investigations. It detects small residual traces of hydrocarbon vapors from fuels or solvents used to start a fire, thus leading investigations to the origin of the fire.

### SPECIFICATIONS

MODEL	SP-237H
Measurable gas (gas calibration)	a) General combustible gas ( $i-C_4H_{10}$ cal), b) Methane c) Organic gas (Please specify)
Measuring range	0~100/0~1000ppm & 0~20/0~100% LEL
Accuracy	Better than $\pm 20\%$ FS in range of 0~100/0~1000ppm Better than $\pm 10\%$ FS in range of 0~20% LEL Better than $\pm 5\%$ FS in range of 0~100% LEL
Response time	Better than 20 sec to get 90% response
Operating temp. range and humidity	-10°C ~ +40°C, Less than 95% RH
Sampling method	Sample-drawing by built-in pump
Power source	Dry batteries $\times 4$ pcs
Continuous operation	8 hours minimum
Approval	Intrinsically safe (id2G3 for general combustible gas, id3aG3 for hydrogen) in Japan
Dimensions	160(W) $\times$ 90(H) $\times$ 150(D) mm
Weight	Approx 2.7kg (Instrument only)

Specifications subject to change without notice.



### Standard accessories

- Gas sampling probe ..... 1 pce.
- Gas sampling hose (1m) ..... 1 pce.
- Dust filter ..... 1 pce.
- Dry batteries (SUM-1) ..... 4 pcs.
- Carrying case with shoulder strap ..... 1 pce.
- Instruction manual ..... 1 book
- Test certificate ..... 1 sheet



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