

Détecteur de gaz portable Indicateur Optique FI-8000

Prévention des risques d'émissions
de fuites de gaz



- Gamme de 8 gaz de mesure maximum disponible
- Mode de mesure intermittent disponible (uniquement pour le type d'aspiration de la pompe)
- Indice de protection IP67 adapté aux travaux en extérieur.
- Large écran LCD facile à lire
- Sécurité intrinsèque (ATEX Presafe 14 ATEX 5711) Classe antidéflagrante Exia IIC T4 Ga
- Méthode d'échantillonnage à 2 voies Type d'aspiration par pompe ou Type d'aspiration manuelle

Fiche technique Détecteur

Model	FI-8000	
Measuring principle	Optical interferometric method	
Measuring gas	Refer to the 3 rd page.	
Indication accuracy	Within $\pm 3\%$ of reading (at constant temperature)※	
Type	TYPE P-□□-□□	TYPE A-□□-□□
Sampling method	Pump suction type	Hand-aspirating type
Self-diagnosis function	Low battery, Low light , Low contrast, abnormal atmospheric pressure and abnormal temperature	
Display	LCD digital (7-segment value display + code + 20 segment word x 2 lines)	
Each display	Measuring gas, gas concentration , measuring unit and battery capacity reminder	
Power source	Alkaline battery pack (AA size battery x 3 pcs) (standard) Or, Lithium ion battery(optional)	
Ingress proof rating	IP67 equivalent	
Ambient humidity & temp	Temperature : -20~50°C, Humidity : Below 95%RH (Non-condensing)	
Dimensions	Approx. 154 (W) ×127 (H) ×81 (D) mm	
Weight	Approx. 1.1kg (including alkaline batteries) Approx. 1.2kg (including lithium ion batteries)	
Explosion proof	TIIS / ATEX / IECEx	
Continuous operation	Above 12 hrs(for alkaline battery use) Above 18 hrs(for lithium ion battery use) (25°C with no back light on)	Above 16 hrs (for alkaline battery use) Above 24 hrs (for lithium ion battery use) (25°C with no back light on)
External output	IrDA (for data logging)	
Function	Data logging , atmospheric pressure correction, temp compensation	

Tableaux des éléments détectables :

<Chamber length : 5mm>

Detection gas	Base gas	Range
Methyl bromide	Air	0~100vol%
Sulfur Hexafluoride	Air	0~100vol%
Sulfur Hexafluoride	Air	0~99.9%up
Sulfur Hexafluoride	N2	0~100vol%
Propane	Air	0~100vol%
Iso-butane	Air	0~100vol%
N-butane	Air	0~100vol%
Fion 22	Air	0~100vol%
Dimethyl Ether	Air	0~100vol%
Dimethyl Ether	N2	0~100vol%
Xenon	Air	0~100vol%
Ethylene	Air	0~100vol%
Chorine	Air	0~100vol%
Vinyl chloride	N2	0~100vol%

Detection gas	Base gas	Detection gas
Propane	Air	0~101.3 MJ/m ³ Gross 0°C
Butane	Air	0~134.2 MJ/m ³ Gross 0°C
Propane	Air	0~93.15 MJ/m ³ Net 0°C
Butane	Air	0~123.7 MJ/m ³ Net 0°C

<Chamber length : 24mm>

Detection gas	Base gas	Range
Halothane	O2	0~5vol%
Isofurane	O2	0~8vol%
Sevofurane	O2	0~10vol%
Desfurane	O2	0~20vol%
Halothane	Air	0~5vol%
Isofurane	Air	0~8vol%
Sevofurane	Air	0~10vol%
Desfurane	Air	0~20vol%
Enfurane	O2	0~10vol%
Enfurane	Air	0~10vol%

Detection gas	Base gas	Detection gas
Helium	Air	0~100vol%
Helium	N2	0~100vol%
Helium	Argon	0~100vol%
Hydrogen	Air	0~100vol%
Hydrogen	N2	0~100vol%
Heavy Hydrogen	Air	0~100vol%
Heavy Hydrogen	N2	0~100vol%
Carbon dioxide	Air	0~100vol%
Carbon dioxide	N2	0~100vol%
Carbon dioxide	Argon	0~100vol%
Neon	Air	0~100vol%
Methane	Air	0~100vol%
Methane	N2	0~100vol%
Nitrus Oxide	Air	0~100vol%
Ozone	O2	0~100vol%

Detection gas	Base gas	Range
LNG or LNG +LPG	—	25~50 MJ/m ³ Gross 0°C
LNG or LNG +LPG	—	22~45 MJ/m ³ Net 0°C

<Chamber length : 48mm>

Detection gas	Base gas	Range
Toluene	Air	0~100%LEL
MEK	Air	0~100%LEL
Ethyl acetate	Air	0~100%LEL
Xylene	Air	0~100%LEL
Iso-propyl alcohol	Air	0~100%LEL
M.E.K	Air	0~100%LEL
Methanol	Air	0~100%LEL
Propane	Air	0~100%LEL
Iso-butane	Air	0~100%LEL
Acetone	Air	0~100%LEL
Ethyl alcohol	Air	0~100%LEL
Methane	Air	0~100%LEL
Hydrogen	Air	0~100%LEL
Ethyl chloride	Air	0~100%LEL
Ethylene	Air	0~100%LEL
Styrene	Air	0~100%LEL
Ammonia	Air	0~100%LEL
Tetrahydrofane	Air	0~100%LEL
Dioxolane	Air	0~100%LEL
Methyl-Isopropil-Keton	Air	0~100%LEL
Tetrafluoro-propane	Air	0~100%LEL
Butylacetate	Air	0~100%LEL

Detection gas	Base gas	Range
Methyl Bromide	Air	0~200g/m ³
Methyl Iodide	Air	0~200g/m ³
Sulfuryl Fluoride	Air	0~200g/m ³
Methyl Bromide	Air	0~5vol%
Propylene oxide	Air	0~10vol%
Phosphine	Air	0~50g/m ³
Hydrogen Cyanide	Air	0~200g/m ³

Detection gas	Base gas	Range
Ammonia	N2	0~100vol%
Oxygen	N2	0~100vol%

Detection gas for anaesthetic

Detection gas for fumigation