Composite gas detector MP160

FINDER portable composite gas detector can support micro ppm level gas leakage, LEL level industrial safety flammable gas detection, Vol full scale flammable gas accurate detection while supporting toxic and harmful gases including oxygen, tetrahydrothiophene. The FINDER series has a built-in sampling pump. Choose rechargeable lithium battery, a single charge can meet more than 16 hours of continuous working time. Built-in wireless or Bluetooth module, personnel security and detection technology to a higher level. FINDER can display the interface in Chinese and supports both rechargeable lithium and alkaline batteries. Therefore, it can be widely used in gas leak detection, industrial safety, petrochemical, chemical, fire protection, telecommunications, municipal, sewage treatment and other industries.

Features, Functions and Benefits

- Support micro ppm, % LEL and % Vol level gas detection; Support the detection of toxic and harmful gases including oxygen and tetrahydrothiophene
- Compliance and safety tips to ensure that the instrument is in optimum condition at all times and to protect the personal safety of the user
- Real-time display of gas concentration, with automatic backlight, clearly visible
- Built-in sampling pump, can achieve up to 30 meters of sampling distance
- Sensors, filters, sampling pumps and batteries are easy to replace
- Optional rechargeable lithium battery, one charge can meet more than 16 hours of continuous working time
- It has two working modes of health inspection and search, which can adapt to different application

MP160 specifications and instrument indicators

Size	178x71x43mm (does not include sampling probe rod)
Weight	400g（only LEL sensor）
Sensor configuration	Three slots supporting NDIR, HRC, LEL, and EC
Sampling mode	Pump type (built-in sampling pump), 450cc/min
Battery running time	Rechargeable lithium battery support 16 hour alkaline battery case (optional)
Battery charging time	Less than 6 hours
Humidity	-20℃~50℃；0~95%RH (non-condensing)
Display screen	128X128 lattice LCD with automatic backlight
Display content	Sensor name, real-time display value, battery voltage, pump status, data storage status, security policy indication
Language	Chinese/English + symbol
Alarm	High/low alarm, TWA/STEL alarm, battery undervoltage alarm, sensor fault alarm, pump blockage alarm, overrange alarm
Keypad	2 Operation keys
Calibration	Zero plus standard gas
Alarm mode	Sound (95dB@30cm), Light (Red LED flashing)
Data storage	Continuously store data for 6 months/once per minute, storage interval (adjustable from 1 to 3600 seconds)
Communication mode	USB
Safety Certifications	China explosion-proof:Ex ia IIC T4 Ga
Protection class	IP65
Warranty	The whole machine is guaranteed for 1 year

Sensor 1	Range	Resolution
HRC	10-10000ppm	10ppm
LEL	1-100%LEL	1%LEL
HRC +LEL	10ppm-100%LEL	10ppm
Sensor 2	Range	Resolution
Oxygen (O2) (LQ)	0.1-30%Vol	0.1%Vol
Tetrahydrothiophene （THT）	0.1-40ppm	0.1ppm
Sensor 3	Range	Resolution
Infrared combustible gas (CH4)	1-100％LEL	1％LEL
Infrared combustible gas (CH4)	0.1-100%Vol	0.1%Vol
Infrared combustible gas (CH4)	1%LEL-100%Vol	1%LEL

Standard accessories
- Host and configuration sensor
- Rubber cover (black)
- Hard sampling probe + Water hydrazine Filter (1pcs)
- Lithium battery
- Charging adapter
- External water hydrazine Filter (3pcs)
- Quick Operation Guide (Chinese/English)
- Certificate of qualification
- Hard carrying case

Optional accessories
- USB data cable
- Alkaline battery case
- Remote sampling tube (3m, Tygon)
- Portable bracelet

Application field
- Gas leakage
- Pipe tank farm
- Sewage treatment
- Telecom
- Metallurgy, coking plant
- Fire Protection
- Industrial Safety
- Petrification
- Chemical Industry
- Municipal Engineering