

Personal Dual Gas Detector

Compact & Lightweight
User-friendly
Easy Configuration

DuoTracer

The Duo Tracer is a state-of-the-art portable gas detector designed to ensure safety in hazardous environments. Using the advanced diffusion method, it accurately monitors and alerts you to dangerous gas concentrations.

KEY FEATURES & BENEFITS



WATER/DUST PROOF

Excellent water and dust proof structure, making the Duo Tracer suitable for any environment.



COMPACT & LIGHTWEIGHT

Compact design for easy portability and comfortable use, making it ideal for any environment



HIGH-PERFORMANCE ALARMS

Equipped with audible, visual and vibrating alarms to ensure prompt awareness in a hazardous situation



EVENT LOGGING

Automatically logs up to 30 events, allowing for easy tracking and record-keeping



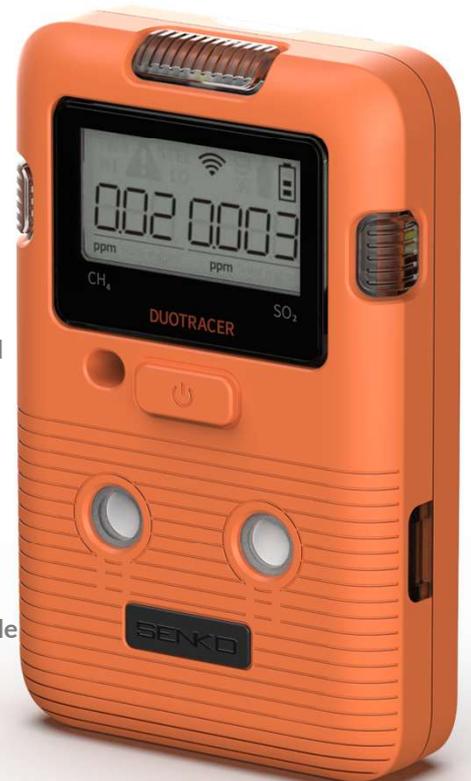
EASY CONFIGURATION

Easy to configure and manage data using the IR link, streamlining the process for efficient operation



USER-FRIENDLY OPERATION

Designed for ease-of-use with simple controls, making the Duo Tracer accessible for all.



WHY CHOOSE US

- ✔ Affordable Price
- ✔ Easily Maintainable
- ✔ Fast Delivery
- ✔ Certified Quality

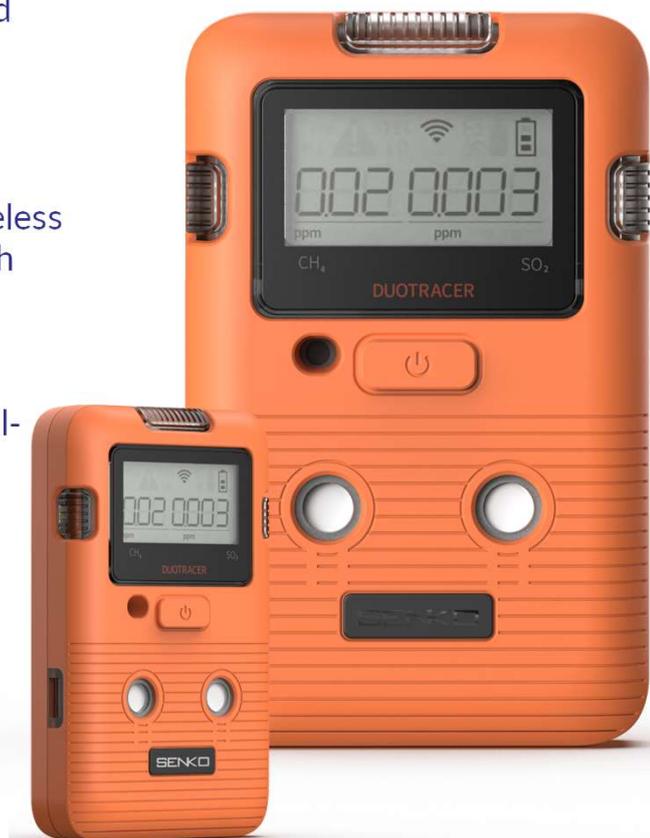
DUAL-GAS DETECTION Simultaneously monitors and displays the concentration of two gases, including oxygen, explosive, or toxic gases, ensuring comprehensive safety coverage.

BLUETOOTH AND IR CONNECTIVITY Supports wireless setting modifications and data download via Bluetooth and Senko IR-LINK.

REAL-TIME MONITORING Continuously displays real-time gas concentration levels on the LCD monitor, allowing for immediate awareness of hazardous environments.

Specification

Model	Duo Tracer
Protection Type	Ex ia IIC T4 Ga
Electrical Data	Replaceable Primary cell 3.6v Thionyl chloride (Li/SOCl ₂) battery manufactured in Tekcell
Case	TPU covered Poly Carbonate (PC)
Sensor Type	Electrochemical formula, non-dispersive infrared (NDIR)
Measurement Type	Diffusion Type
Operation	The device comes with a clip that can be worn on the user's clothing pocket, belt, helmet, etc. Combined, users can easily carry the detector
Temperature	-20°C to 50°C
Dimensions	56mm x 89mm x 21mm
Weight	200g
Display	Easy-to-use graphic icons. Segments display for direct gas reading. Not included Backlight. Peak reading display.
Alarms	User selectable low and high alarms. LEDs. Buzzer (more than 95dB) alarm. Vibrating Alarm
Accessories	Compatible with IR Link and SP-Pump
Battery/Runtime	Replaceable Primary cell Thionyl chloride (Li/SOCl ₂) and power supply unit/ More than 200 days in normal operating (O ₂ and CH ₄ combination)
Approval	ATEX II 1 G Ex ia IIC T4 Ga CSA&UL Class 1, Zone 0, ex ia IIC T4 G a IECEX Ex ia IIC T4 Ga



Duo Tracer Combinations

	Sensor One	Sensor two
Duo Tracer-1	O ₂	CH ₄
Duo Tracer-2	O ₂	CO ₂
Duo Tracer-3	O ₂	CO
Duo Tracer-4	O ₂	H ₂ S
Duo Tracer-5	O ₂	SO ₂
Duo Tracer-6	O ₂	H ₂
Duo Tracer-7	O ₂	NO ₂
Duo Tracer-8	O ₂	NH ₃
Duo Tracer-9	O ₂	O ₃
Duo Tracer-10	NO ₂	CO
Duo Tracer-11	NO ₂	H ₂ S
Duo Tracer-12	NO ₂	SO ₂
Duo Tracer-13	SO ₂	H ₂ S
Duo Tracer-14	SO ₂	CO
Duo Tracer-15	NH ₃	CO
Duo Tracer-16	H ₂ S	CO

SENKO

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Duo Tracer Sensor Specification

1.3 Applicable Sensor Specification

No.	Gas	Sensor	Measuring Info.		Cal. Standard Concentration ^(*) (Default values)	Alarm ^(**) (Default values)				
			Range	Resolution		1st	2nd	TWA	STEL	
1	CH4	NDIR	0 to 100	%LEL	1 %LEL	50 %LEL	10 %LEL	30 %LEL	-	-
2	CO2	NDIR	0 to 5.00	%vol	0.01 %vol	2 %vol	0.50 %vol	1.00 %vol	0.50 %vol	3.00 %vol
3	O2	Electrochemical	0 to 30.0	%vol	0.1 %vol	18 %vol	19.0 %vol	23.0 %vol	-	-
4	CO	Electrochemical	0 to 500	ppm	1 ppm	100 ppm	30 ppm	60 ppm	30 ppm	200 ppm
5	H2S	Electrochemical	0 to 100.0	ppm	0.1 ppm	25 ppm	10.0 ppm	15.0 ppm	10.0 ppm	15.0 ppm
6	SO2	Electrochemical	0 to 20.0	ppm	0.1 ppm	10 ppm	2.0 ppm	5.0 ppm	2.0 ppm	5.0 ppm
7	H2	Electrochemical	0 to 1000	ppm	1 ppm	500 ppm	100 ppm	500 ppm	-	-
8	NO2	Electrochemical	0 to 20.0	ppm	0.1 ppm	10 ppm	3.0 ppm	5.0 ppm	3.0 ppm	5.0 ppm
9	NH3	Electrochemical	0 to 100	ppm	1 ppm	50 ppm	25 ppm	35 ppm	25 ppm	35 ppm
10	O3	Electrochemical	0 to 5.00	ppm	0.01 ppm	4 ppm (Using NO2 5ppm)	0.10 ppm	0.20 ppm	0.10 ppm	0.20 ppm

(*) The values can be changed by the user through PC program.

(**) The content above may change depending on the manufacturer's circumstances.

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