Built around high-quality micro-sensor technology, the Gas Tracer is RKI's smallest personal 5 sensor monitor with a built in sample pump. Weighing only 12.3 ounces, it has many features which set the Gas Tracer apart from the competition. For example, it can monitor the standard gas safety hazards for gas/pipeline operations, (LEL combustibles, Oxygen content, and Carbon Monoxide), and it also has a high-sensitivity ppm CH4 leak tracker mode which reads down to 10 ppm. It can also measure 100% volume Methane and dynamically display either % LEL, or % volume with its auto-ranging ability. The Gas Tracer is excellent for gas line purge testing and detection of small gas leaks.

The Gas Tracer’s large LCD display shows all gas readings, battery level, current time, and will automatically backlight in alarm conditions. Other standard mode alarm types include vibration, visual, and audible alarms that can be set to latching or non-latching. Controlled by a microprocessor, the Gas Tracer continuously checks itself for sensor connections, low battery, circuit trouble, low flow, and calibration errors. The Gas Tracer can operate on either a Li-Ion battery pack or an alkaline battery pack. The batteries are simple to replace requiring no tools to access the removable battery compartment or pack. Calibration and bump test intervals and reminders are user adjustable and can be set to either go into alarm or to lock the user out of normal measurement mode once a calibration period has expired. Calibrations can be performed automatically or individually in single calibration mode. The Gas Tracer is also compatible with the economical SDM-2012 single channel calibration station.
## Gas Detected
- Combustible Gases (Methane as standard)
- % Volume Methane
- PPM Methane
- Oxygen (O2)
- Carbon Monoxide (CO)

## Detection Principle
- Catalytic combustion
- Thermal conductivity
- MOS/catalytic
- Galvanic cell
- Electrochemical cell

## Detection Range
- 0 ~ 100% LEL
- 0 ~ 100% Vol.
- 0 ~ 5000 ppm
- 0 ~ 40% Vol.
- 0 ~ 500 ppm

## Accuracy Statement (whichever is greater)
- ± 5% of reading or ± 2% LEL
- ± 5% of reading or ± 2% of full scale
- ± 10% of reading or ± 50 ppm CH4
- ± 0.5% O2
- ± 5% of reading or ± 5 ppm CO

## Sampling Method
- Internal sample pump, flow rate nominal 0.5 LPM, includes hydrophobic filter

## Display
- Digital LCD with 7 segments, auto backlight during alarm

## Preset Alarms (User Adjustable)
- 1st alarm 10% LEL
- 2nd alarm 50% LEL
- Over alarm 100% LEL
- No alarms for % Vol. CH4
- Increasing tone/light pulse as concentration increases
- Low alarm 19.5%
- High alarm 23.5%
- Over alarm 40.0%

## Alarms Types
- Leak Tracker Mode: Escalating audible/visual alarm, changes with gas level (audible can be turned off)
- Gas alarms: 1st and 2nd, STEL, TWA (user adjustable) and OVER
- Trouble alarms: Sensor connection, low battery, low flow, circuit trouble and calibration error

## Alarm Methods
- Gas alarms: Flashing lights, two tone buzzer, and vibration
- Trouble alarms: Flashing lights, trouble displayed, intermittent buzzer, and vibration

## Operating Temp. & Humidity
- -20°C to +50°C (-4°F to +122°F)
- 0 to 95% RH, non-condensing

## Response Time
- Within 30 seconds (T90)

## Continuous Operation
- Alkaline battery: 15 hours
- Li-Ion battery: 10 hours
- 70°F (21°C)

## Power Source
- Li-Ion battery pack, or 3 "AA" Alkaline battery pack; interchangeable

## Safety Rating
- ATEX, TIIS, IECEx, CE, or optionally: c CSA us classified, as intrinsically safe. Class I, Division 1, Groups A, B, C, D
- Note: Either ATEX (USA and worldwide) or CSA (Canada) version must be specified when ordering.

## Dimension & Weight
- Approx. 143 (H) x 71 (W) x 43 (D) mm (5.6" H x 2.8" W x 1.6" D), approx. 350 g (12.3 ounces)

## Case Material
- High dust & water resistant design. RFI shielded high impact plastic with protective rubber overmolding

## Controls
- Five buttons: POWER / ENTER, DISPLAY, AIR, RESET, SHIFT

## Standard Accessories
- Belt clip
- 10" Probe
- 10" Hose
- Rubber nozzle, 2.5"
- Manual
- Training CD
- Datalogging software
- Quick reference card

## Optional Accessories
- SDM-2012 calibration stations
- Li-Ion battery pack
- Sample draw hoses (10’ standard, up to 50’ max. available)
- Calibration kit
- AC or DC Charger
- Carrying case

## Configurations
- 1, 2, 3, 4, or 5 sensor units
- Li-Ion or alkaline battery pack options

## Warranty
- Two years material and workmanship

Specifications subject to change without notice.