T40 II RATTLER

Portable Single Gas Detector

- Robust, compact, and light
- Ultra-Fast sensor response
- Multiple sensor range options with high accuracy
- Replaceable battery with 2-years run time

The T40 II Rattler single gas detector is primarily used to keep personnel safe by detecting the presence of hydrogen sulfide(H_2S) or carbon monoxide (CO), in a serviceable, maintainable, compliance instrument. The T40 II Rattler is the easiest gas detector to service while still making compliance easy and cost effective with a confidence flash.

The T40 II Rattler is robust and light, with an ingress protection of IP68 and is suitable for working in the most challenging, hazardous area environments. The industrial leading, ultra-fast T90 response time can detect gas hazards on the job in real time, saving valuable time, to ensure worker safety. To meet the needs of long-term operation, the high-performance lithium battery can operate under extreme weather conditions continuously for 2 years.

There are two visual red alarm LEDs, in addition to both an audible and vibration alarms for when the gas concentrations exceed the high, low, TWA, or STEL alarm preset values.

INSTRUMENT CONFIGURATIONS

PART NUMBER	DESCRIPTION
T42-014211	CO, 1000 PPM, ORANGE
T42-015211	CO, 2000 PPM, ORANGE
T42-021211	H2S, 100 PPM, ORANGE
T42-022211	H2S, 200 PPM, ORANGE
T42-023211	H2S, 500 PPM, ORANGE
T42-014201	CO, 1000PPM, BLACK
T42-014221	CO, 1000PPM, YELLOW
T42-015201	CO, 2000PPM, BLACK
T42-015221	CO, 2000PPM, YELLOW
T42-021201	H2S, 100PPM, BLACK
T42-021221	H2S, 100PPM, YELLOW
T42-022201	H2S, 200PPM, BLACK
T42-022221	H2S, 200PPM, YELLOW
T42-023201	H2S, 500PPM, BLACK
T42-023221	H2S, 500PPM, YELLOW

SPECIFICATIONS

INSTRUMENT WARRANTY
The T40 II single gas detector carries a three years warranty from the date of shipment and is supported by Industrial Scientific Corporation (excludes battery and filter).

DISPLAY
Segment LCD

KEYPAD
Two buttons

CASE MATERIALS
Polycarbonate with a protective rubber over-mold

ALARMS
Visual (two red LEDs); Audible (95db); Vibration, TWA, STEL

DIMENSIONS
82 x 60 x 27 mm (3.23" x 2.36" x 1.07")

WEIGHT
85g (3oz)

INGRESS PROTECTION
IP 66/68

TEMPERATURE RANGE
-40 °C to 50 °C (-40 °F to 122 °F)

HUMIDITY RANGE
5% to 95% non-condensing

SENSORS
CO, H2S – Electrochemical sensor technology

SENSOR MEASURING RANGES

Gas Type	Range	Resolution	T90
CO	0-1000 ppm	1 ppm	≤10s
CO	0-2000 ppm	1 ppm	≤10s
H2S	0-100 ppm	0.1 ppm	≤10s
H2S	0-200 ppm	0.1 ppm	≤10s
H2S	0-500 ppm	0.1 ppm	≤10s

BATTERY
3.6 V Primary Lithium-thionyl chloride (Li-SOCl2), 1.5AH, 2/3AA, replaceable

RUN TIME
Up to 2-years run time, depending on confidence flash indicator and number of alarms per day.

CERTIFICATIONS

International:
IECEX: Ex ia IIC T4 Ga; Ex ia I Ma
North America:
UL: Class I, Division 1, Groups A, B, C, D
T4 Class I, Zone 0, AEx ia IIC T4 Ga
CSA: Ex ia IIC T4
Class I, Division 1, Groups A, B, C, D T4
Europe:
ATEX: Ex ia IIC T4 Ga; Ex ia I Ma
CE: Directive 2014/30/EU, EN50270
Directive 2011/65/EU and 2015/863/EU
China:
China Ex: Ex ia IIC T4 Ga
China MA: Ex ia I Ma
China CPA

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