



T40 II RATTLER

Portable Single Gas Detector

- Robust, compact, and light
- Ultra-Fast sensor response
- Automatic Self-Test
- Data and Event Logging
- Configurable Low and High alarm settings
- Optional TWA and STEL Alarm
- Multiple sensor range options with high accuracy
- Replaceable battery with 2-years run-time
- One Year Shelf Life

The T40 II Rattler single gas detector is primarily used to keep personnel safe by detecting the presence of hydrogen sulfide (H₂S) 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 IP66/IP68 and is suitable for working in the most challenging, hazardous area environments. T40 II Rattler introduces an ultra-fast T90 response time that can detect gas hazards on the job, 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 from powering up with a 1-year shelf life.

The T40 II Rattler is fitted with two visual red alarm LEDs, in addition to an audible and a vibration alarm when the gas concentrations exceed the High, Low, TWA, or STEL alarm preset values.



SPECIFICATIONS

INSTRUMENT WARRANTY

The T40 II single gas detector carries a 3-Year 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

WEIGHT
85g

INGRESS PROTECTION
IP 66/68

TEMPERATURE RANGE
-40 °C to +50 °C

HUMIDITY RANGE
5% to 95% non-condensing

SENSORS
CO, H₂S, O₂ – 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
H ₂ S	0-100 ppm	0.1 ppm	≤10s
H ₂ S	0-200 ppm	0.1 ppm	≤10s
H ₂ S	0-500 ppm	0.1 ppm	≤10s
O ₂	0%vol – 30%vol	0.1%vol	≤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 I, Groups A, B, C, D
T4 Class I, Zone 0, AEx ia IIC T4 Ga
CSA: Ex ia IIC T4
Class I, Division I, 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

**INDUSTRIAL
SCIENTIFIC**

www.indsci.com

v1.2v

AMERICAS

Phone: +1-412-788-4353
1-800-DETECTS (338-3287) | info@indsci.com

ASIA PACIFIC

Phone: +65-6561-7377
Fax: +65-6561-7787 | info@ap.indsci.com

EMEA

Phone: +33 (0)1 57 32 92 61
Fax: +33 (0)1 57 32 92 67 | info@eu.indsci.com