



T40 Pro RATTLER

Maintenance-Free Single Gas Detector

- Maintenance-Free operations
- ALWAYS ON for 2 years
- Configurable Low and High alarm settings
- Optional TWA and STEL readings
- No Battery or sensor replacement
- No Calibration Required
- Automatic Self-Test
- Hibernation Mode
- Robust, compact, and light
- Ultra-Fast sensor response
- Event and Error Logging
- Bump Test Due Reminder
- One Year Shelf Life

The T40 Pro Rattler is a maintenance-free single gas detector, primarily used to keep personnel safe by detecting the presence of Hydrogen Sulfide (H₂S). It is an ultra-fast, service-free, compliance instrument.

The T40 Pro 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 Pro 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 Pro 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 preset values.

The T40 Pro Rattler is compatible with the T-Dock Automatic Management Station, which is capable of maintaining eight (8) instruments simultaneously and can perform bump tests in 15 seconds. Event log download and instrument hibernation can also be performed using the T-Dock. Hibernation mode is used to deactivate all the instruments' functions and force the instrument to suspend its operating life countdown for a maximum of 12 months.

SPECIFICATIONS

INSTRUMENT WARRANTY

2-Years Warranty from **Powering On**, and 1-Year Shelf Life

DISPLAY
Segment LCD

KEYPAD
Two buttons

CASE MATERIALS
Polycarbonate with a protective rubber over-mold

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

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% RH non-condensing

SENSORS
H₂S - Electrochemical sensor technology

SENSOR MEASURING RANGES

Gas Type	Range	Resolution	T90
H ₂ S	0-100 ppm	0.1 ppm	≤10s

BATTERY

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

RUN TIME

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
Ex ia IIC T4
CSA: 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

Electromagnetic Interference: Directive 2014/30/EU

EMC: ICES-003 issue 7 :2020

