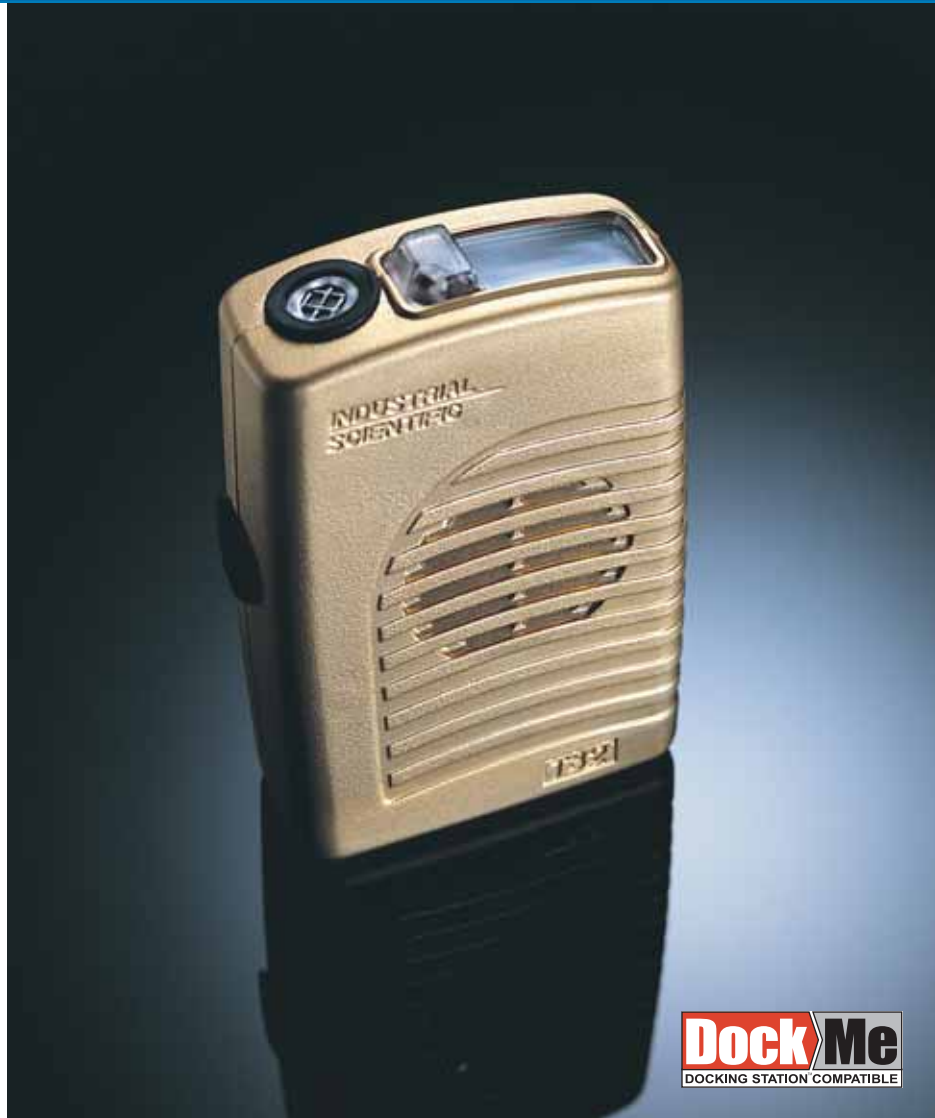


T82 Single Gas Monitor



Advanced “smart” sensor technology allows the T82 to detect any one of 10 gases, including oxygen, making it ideal for a variety of hazardous applications. The T82 provides STEL and TWA readings. Datalogging versions provide on-board storage of up to 90 hours of survey data with downloading into a Windows® based software platform.

Providing simplified, single-button operation and calibration functions, the instruments offer continuous monitoring and simultaneous LCD display of any one of the following gases: oxygen, carbon monoxide, chlorine, chlorine dioxide, hydrogen, hydrogen cyanide, hydrogen sulfide, nitrogen dioxide, phosphine, and sulfur dioxide. The T82, with its enhanced, plug-in pre-calibrated “smart” sensor modules, automatically recognizes and adjusts to any sensor upgrades.

Lightweight and compact, the monitors provide superior RFI shielding and a 90 dB audible and ultra-bright visual alarm. An optional vibrating alarm provides additional warning in high noise environments. Models are equipped with a disposable 9-volt alkaline battery, which provides at least 2,300 hours runtime, and optional lithium batteries will provide up to 4,000 hours of continuous operation. All monitors are compatible with Industrial Scientific’s Docking Station™.

- Interchangeable “smart” sensors provide continuous monitoring for any one of 10 gases.
- Optional datalogging and industrial hygiene functions including STEL and TWA data.
- Continuous display of O₂, CO, H₂S, H₂, SO₂, NO₂, Cl₂, ClO₂, HCN or PH₃.
- Single-button control for operation and calibration functions.
- 90 dB audible alarm with ultra bright visual alarm.
- Optional vibrating alarm also available.
- Up to 4,000 hours continuous operation from 9-volt lithium battery.

The T82 Single Gas Monitor offers superior personal gas monitoring at a moderate price, without sacrificing features or ease of use.

REV0605

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SPECIFICATIONS	
CASE:	High impact composite with radio frequency interference (RFI) protection
DIMENSIONS:	4.1" x 2.7" x 1.2" (104 mm x 67 mm x 30 mm)
WEIGHT:	7 oz (198 g)
SENSORS:	Oxygen and Toxic Gases – Electrochemical
MEASURING RANGES:	Oxygen – 0 to 30% by volume in 0.1% increments
	Carbon Monoxide – 0 to 1,500 ppm in 1 ppm increments
	Chlorine – 0 to 50 ppm in 0.1 increments
	Chlorine Dioxide – 0.02 to 1 ppm in 0.01 increments
	Phosphine – 0 to 10 ppm in 0.1 ppm increments
	Hydrogen – 0 to 1,999 ppm in 1 ppm increments
	Hydrogen Sulfide – 0 to 500 ppm in 1 ppm increments
	Hydrogen Cyanide, Nitrogen Dioxide, Sulfur Dioxide – 0.2 to 150 in 1 ppm increments
POWER SOURCE (RUN TIME):	9-volt Alkaline Battery (2,300 hours min.) or Lithium Battery (4,000 hours min.)
TEMPERATURE RANGES:	Carbon Monoxide, Hydrogen, Nitric Oxide, Nitrogen Dioxide, Oxygen, Sulfur Dioxide: -4°F to 122°F (-20°C to 50°C)
	Chlorine, Chlorine Dioxide, Phosphine: -4°F to 104°F (-20°C to 40°C)
	Hydrogen Cyanide: -40°F to 104°F (-40°C to 40°C)
	Hydrogen Sulfide: -40°F to 122°F (-40°C to 50°C)
	Ozone: 14°F to 104°F (-10°C to 40°C)
HUMIDITY RANGE:	0 to 99% RH (non-condensing)
APPROVALS:	UL and CUL - Class I, Groups A, B, C, D CENELEC - EEx ia IIC T4 CSA approval MSHA Intrinsically safe for Methane/Air mixtures only

The T82 has a variety of equipment options. Use the following guide to select the options that best fit your needs. For example: A T82 with alkaline battery, datalogging, belt clip, vibrating alarm, and H₂S sensor would be part number 1810-4133-1114. To order the T82 with a lithium battery installed, add an L as a suffix.

ORDERING INFORMATION				
PART NUMBER	DESCRIPTION			
1810-4133-ABCD				
A - <i>DATALOGGING</i>	0 - No Datalogging	1 - Datalogging		
B - <i>CLIP</i>	0 - Suspender Clip	1 - Belt Clip		
C - <i>VIBRATING ALARM</i>	0 - No Vibrating Alarm	1 - Vibrating Alarm		
D - <i>SENSOR CONFIGURATION</i>	1 - CO	4 - H ₂ S	7 - Cl ₂	A - PH ₃
	2 - H ₂	5 - SO ₂	8 - ClO ₂ (Check for availability.)	
	3 - O ₂	6 - NO ₂	9 - HCN	

ACCESSORIES	
PART NUMBER	DESCRIPTION
1705-9189	T82/T80 Calibration Cup (<i>not included with instrument</i>)
1810-4281	T82 Datalogging Kit
1810-2798	T82/T80 Leather Case

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