

# iTX Multi-Gas Monitor



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[www.myiTX.com](http://www.myiTX.com)

**Dock Me**  
DS1000 COMPATIBLE

tions and sensor changes. Featuring advanced "smart" sensor technology, the iTX is capable of recognizing and configuring a wide assortment of field replaceable, interchangeable sensors. Enhanced benefits include a 50 ppm resolution for hydrocarbons, LEL and methane sensor over range protection, and a four electrode ammonia sensor for increased stability. Providing simplified, single-button operation and calibration functions, the iTX's special Quick-Cal feature quickly calibrates up to four sensors at once, saving time and calibration gas costs.

The iTX provides superior, user configurable datalogging and hygiene functions which allow the monitor to store up to 300 hours of survey data at one minute intervals. The unit also includes STEL and TWA readings and alarms as well as iButton® technology, which allows the operator to input user data and site information.

The iTX also features a backlit LCD that simultaneously displays all gases monitored, ultra-bright LED visual alarms and a powerful 90 dB audible alarm, all encased in a compact, rugged stainless steel housing to provide maximum durability and RFI protection.

The iTX boasts superior security and safety features including configurable user access codes to protect calibration and alarm settings, and a time delay power button to prevent accidental turn-off. The unit is also DS1000 compatible to utilize the additional benefits of the Docking Station™.

- Completely customizable and field upgradable
  - User configurable datalogging functions - up to 300 hours of storage time
  - Monitors from one to six gases simultaneously and continuously.
  - Quick-Cal function calibrates four sensors simultaneously.
  - High, Low, STEL and TWA alarms for all sensors
  - LEL/ CH<sub>4</sub> over range protection
  - Displays last cal date and next cal due reminders
  - Configurable security access code protects all calibration and alarm settings.
  - Interchangeable, lithium-ion battery pack can be charged in/ out of the monitor.
  - Docking Station™ compatible
- The new iTX Multi-Gas Monitor is the industry's most versatile portable gas detection instrument. Designed to grow with you as your monitoring needs change, the iTX can go from being a single gas unit to a six-gas monitor, or anything in between, with just a few simple user configura-

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## SPECIFICATIONS

<b>CASE:</b>	Ultra-tough 24 gauge stainless steel
<b>DIMENSIONS:</b>	4.75" x 3.19" X 1.68" (121 mm x 81 mm x 43 mm)
<b>WEIGHT:</b>	18.5 oz (524.5 g)
<b>SENSORS:</b>	LEL, CH <sub>4</sub> - Catalytic diffusion CO, H <sub>2</sub> S, O <sub>2</sub> , SO <sub>2</sub> , NO <sub>2</sub> , Cl <sub>2</sub> , NO, ClO <sub>2</sub> , NH <sub>3</sub> , CO/H <sub>2</sub> S (COSH) - Electrochemical
<b>MEASURING RANGES:</b>	LEL - 50 ppm to 100% LEL Methane - 0 to 5% CH <sub>4</sub> in 0.1% increments Oxygen - 0 to 30.0% O <sub>2</sub> in 0.1% increments Carbon Monoxide, Hydrogen Sulfide, Nitric Oxide - 0 to 999 ppm in 1 ppm increments Sulfur Dioxide, Nitrogen Dioxide - 0.2 to 99.9 ppm in 0.1 ppm increments Chlorine - 0.2 to 50.0 ppm in 0.1 ppm increments Ammonia - 0 to 200 ppm in 1 ppm increments (displayed concentrations 999 ppm) Chlorine Dioxide - 0 to 1 ppm in 0.01 ppm increments
<b>POWER SOURCE (RUN TIME):</b>	Rechargeable lithium-ion (19 hours typical) or Alkaline pack (9 hours typical)
<b>TEMPERATURE RANGES:</b>	-4°F to 122°F (-20°C to 50°C) typical
<b>HUMIDITY RANGE:</b>	15 to 95% RH typical (non-condensing)
<b>APPROVALS:</b>	UL - Intrinsically Safe for Class I, Groups A, B, C, D CSA approval CENELEC (ATEX) - EEx ia IIC T4 MSHA - Intrinsically safe for Methane/Air mixtures only
<b>RFI PROTECTION:</b>	Certified to European Standard EN50081-2

The iTX has numerous sensor and equipment combinations. The following matrix will help you to select the options that best suit your needs. For example: An iTX with O<sub>2</sub>, LEL, CO, and H<sub>2</sub>S sensors, with a lithium-ion battery would have a part number of 18104307-**11014**.

## ORDERING MATRIX

18104307- <b>ABCDEF</b>	<b>A</b>	<b>B</b>	<b>C*</b>	<b>D</b>	<b>E</b>	<b>F</b>
	0 - None	0 - None	0 - None	0 - None	0 - None	_ - Lithium-ion
	1 - O <sub>2</sub>	1 - LEL	1 - CO (high)	1 - CO	1 - CO	A - Alkaline pack
	2 - iButton®	2 - CH <sub>4</sub>	2 - NO	2 - NO	2 - NO	
	3 - O <sub>2</sub> , iButton®		3 - NH <sub>3</sub>	3 - NH <sub>3</sub>	3 - NH <sub>3</sub>	
			4 - H <sub>2</sub> S	4 - H <sub>2</sub> S	4 - H <sub>2</sub> S	
			5 - SO <sub>2</sub>	5 - SO <sub>2</sub>	5 - SO <sub>2</sub>	
			6 - NO <sub>2</sub>	6 - NO <sub>2</sub>	6 - NO <sub>2</sub>	
			7 - Cl <sub>2</sub>	7 - Cl <sub>2</sub>	7 - Cl <sub>2</sub>	
			A - None	A - ClO <sub>2</sub>	A - ClO <sub>2</sub>	
			F - COSH			

\*Select sensors under column "C" only for five and six gas configurations or for special application sensors.

## STANDARD CONFIGURATIONS and ACCESSORIES

PART NUMBER	DESCRIPTION
18104307-11014	iTX - O <sub>2</sub> , LEL, CO, H <sub>2</sub> S with lithium-ion battery pack
18104307-11100	iTX - O <sub>2</sub> , LEL, CO, with lithium-ion battery pack
18104307-11400	iTX - O <sub>2</sub> , LEL, H <sub>2</sub> S with lithium-ion battery pack
18104307-11000	iTX - O <sub>2</sub> , LEL, with lithium-ion battery pack
18104307-1147A	iTX - O <sub>2</sub> , LEL, H <sub>2</sub> S, Cl <sub>2</sub> , ClO <sub>2</sub> , with Lithium-ion battery pack
18104646	iSP motorized sampling pump
18105189	iTX hand pump
18104737	iTX lithium-ion battery charger/datalink w/datalogging and configuration software kit
18104711	iTX lithium-ion battery charger/datalink
18104505	iTX IDM for DS1000 Docking Station

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www.indsci.com e-mail: info@indsci.com www.myiTX.com

**INDUSTRIAL SCIENTIFIC  
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1001 Oakdale Road, Oakdale, PA 15071-1500  
(412) 788-4353 Toll Free: 1-800-DETECTS Fax: (412) 788-8353

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