

TRAK-IT[®] PMD2

PORTABLE METHANE DETECTOR

ADVANCED LASER
DETECTION TECHNOLOGY



COMPATIBLE WITH



**DIAMOND
SCIENTIFIC**

www.DiamondSci.com
321-223-7500

TRAK-IT[®] PMD2

PORTABLE METHANE DETECTOR

FAST DETECTION. SEAMLESS DATA VISUALIZATION. WORKER AND COMMUNITY SAFETY.



The **TRAK-IT[®] PMD2** is a compact, lightweight, advanced methane detector used to pinpoint and grade leaks. With TDLAS detection technology, the **TRAK-IT[®] PMD2** is methane selective and perfect for walking or vehicle applications.

With on-board GPS, datalogging, mapping, and the best sensitivity in its class, the **TRAK-IT[®] PMD2** improves productivity without sacrificing safety or accuracy. Better leak surveys, with the data trail to back it up.



STANDARD FEATURES

Designed to meet UL, ATEX Hazardous Locations	Rechargeable Li-ion Battery Pack	SMART-CAL 360 Compatible (Automatic Calibration/Bump Testing)
Large Illuminated Display	Rubberized Housings	SERVICE 360 Compatible (Firmware Updates)
Powerful Pump (Optional 1 lpm or 2.0 lpm)	GPS (3m Accuracy)	SMART-LINK 360 Compatible (Download Logs)
Methane Selective	Audible and Visual Alarms for Methane	GIS 360 Compatible (Real-Time Mapping/Logging)
Adjustable PPM, LEL and %VOL Alarms	TDLAS Technology	
Barhole Test Mode	Data-Stream (Optional)	
Tick-Style Leak Detection	Flow-Blocked Indicator	
Datalogging with Event Capture	Bluetooth Status Indicator	
Easy Connection to Auxiliary Pumps for use in Vehicle Applications	Shoulder Strap	

APPLICATIONS

Above Ground Leak Survey
Below Ground Leak Pinpointing
Vehicle Leak Surveys
Grading Leaks
Methane Emission Monitoring
Landfill Methane Detection
Indoor Leak Pinpointing



STANDARD KIT

- GPS (3m Accuracy)
- Telescopic Survey Probe
- Battery Charger with Wall Transformer and International Power Adapter
- Shoulder Strap
- Instruction Manual
- Li-ion Rechargeable Battery Pack
- Replacement Filters
- Compact Hard Carrying Case

KIT OPTIONS:

- Deluxe Hard Carrying Case (Provides Storage for Probes)
- Vehicle Charger
- Interchangeable Probe Kit
- Belt Strap

BLUETOOTH (BLE) COMMUNICATION:

- Stream Real-Time Data to Apps
- GIS 360
- SMART-LINK 360
- ESRI
- Communicate with SMART-CAL 360

DATA LOGGING:

- Record- GPS Coordinates
- Gas Reading
- Date/time
- Peak Readings
- Alarms Records - Calibration Records

SENSOR SPECIFICATIONS

TYPE	SENSITIVITY	RESOLUTION	RANGE	ACCURACY
PPM	1.0 PPM (0.3 HS version)	0.1 PPM	0 – 50,000	±10% or 2 PPM*
LEL		0.1%	0 – 100%	±10%
%VOL		0.1%	5 – 100%	±10%

*whichever is greater

PRODUCT SPECIFICATIONS

Size:	8" x 4" x 3.5" (20.3 x 10.1 x 8.9 cm)
Weight:	3.1 Lb. (1.4kg)
Operational Temp:	-4 To 122° F (-20 To 50 C°)
Storage Temp:	-4 To 140° F (-20 To 60 C°)
Storage/Operational Humidity:	0 To 90% Non-condensing
Power:	Lithium Ion Rechargeable Battery Pack
Battery Life:	Approximately 10 hrs. Continuous
Charging:	110-120/ 220-240 Vac 50-60hz 12 VDC
Intrinsic Safety:	Ex Ib IIB T4 II3G Zone 2 Environmental Resistance: IP54
Housing:	High Impact Abs/ Rubber Over Molded



TRAK-IT® PMD2 Instruments

TRAK-IT® PMD2 Part # 921-00000-50

TRAK-IT® PMD2 Shipping Kits

Kit Includes:

(1) Compact Case, (1) Shoulder Strap, (1) Survey Probe
(1) Filter Element, (1) Filter (Blue), (1) Battery Door Tool, (1) Instruction Manual,
(1) Plug In AC Adapter Multiple Plug Kit, (1) Adapter

Deluxe Kit Part # 990-00000-67
Hard Case (includes space to store the survey probe in the case)

Compact Kit Part # 990-00000-66
Compact Case (probe is included but stored separately)

TRAK-IT® PMD2 Calibration Kits

"Relative Mode" PMD2 Manual Calibration Kit Part # 881-00120

Kit Includes: (1) 0.1% Methane 103 Liter (1) 2.5% Methane 103 Liter,
(1) 100% Methane 116 Liter, (1) Cal Adapter, (1) Regulator

"Absolute or Adaptive" PMD2 Manual Calibration Kit Part # 881-00122

Kit Includes: (1) 99.99% Nitrogen 103 Liter (1) 0.1% Methane 103 Liter
(1) 2.5% Methane 103 Liter, (1) 100% Methane 116 Liter, (1) Cal Adapter, (1) Regulator

"Relative Mode" SMART-CAL 360 CAL Kit Part # 881-00119

Kit Includes: (1) 0.1% Methane 103 Liter (1) 2.5% Methane 103 Liter,
(1) 100% Methane 116 Liter, (3) Cal Adapter, (3) Regulator

"Absolute or Adaptive" SMART-CAL 360 CAL Kit Part # 881-00121

Kit Includes: (1) 99.99% Nitrogen 103 Liter (1) 0.1% Methane 103 Liter
(1) 2.5% Methane 103 Liter, (1) 100% Methane 116 Liter, (4) Cal Adapter, (4) Regulator

**Contact SENSIT for calibration kits for Line Gas and Smart-Cal Stations.

TRAK-IT® PMD2 Kit Replacement Parts

Deluxe Hard Carrying Case	Part # 872-00042
Compact Carrying Case	Part # 872-00040
Lithium Rechargeable Battery Pack	Part # 871-00087
US Wall Plug Adapter	Part # 871-00094
Int'l Wall Plug Adapter	Part # 871-00095
Telescopic Survey Probe	Part # 883-00116
PMD2 Hydrophobic Filter	Part # 360-00761
(1) Filter (Blue) for Probe	Part # 360-00064
Shoulder (Carrying) Strap	Part # 360-00703
Battery Door Removal Tool	Part # 360-00726
Instruction Manual	Part # 750-00092
Adapter Female Locking Luer	Part # 345-00113

TRAK-IT® PMD2 Replacement cylinders

0.1% Methane/Air 103 Liter	Part # 315-140006
2.5% Methane/Air 103 Liter	Part # 315-140002
100% Methane 116 Liter	Part # 315-220005
99.99% Nitrogen 103 Liter	Part # 315-140003

MADE IN THE USA
WITH GLOBALLY SOURCED COMPONENTS

SENSIT Technologies
is an ISO 9001:2015 certified company.



Distributed by:



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