# The World's First Gas Monitor with a Full-Color Display you don't have to buy.

***There's a better way to do gas detection with iNet and MX6.***

iBRID™ MX6

PID and infrared sensor options

24 sensor options

Diffusion mode or internal sampling pump versions

Simple, user-friendly, menu-driven navigation

Five-way navigation button

Durable, concussion-proof overmold


Up to 6 gases monitored simultaneously

"Plug-and-Play" field-replaceable sensors

Full-color graphic LCD is highly visible in a variety of lighting conditions

Powerful, 95 dB audible alarm

Infrared communications port (not shown)

iNet Ready

GUARANTEED. FOR LIFE.

## Using the MX6 with iNet is a better way to do gas detection.

### It gives you help from The Gas Detection People.

Let us handle your gas detection program. Gas detection is probably not core to what you do. But, it's all that we do. It's what we love to do.

### It gives you a safer workplace.

On average, gas detectors go into high alarm once every ten days. How many high alarms did your facility have? iNet gives you information and tools to fix problems before they happen.

### It gives you cost savings.

The list price is only part of a gas detector's total cost. You have to maintain it. You have to wait for it to be serviced. iNet eliminates unnecessary ownership and maintenance costs.

*The Gas Detection People*

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# iBRiD™ MX6

## Get ready to see hazardous levels of oxygen, toxic and combustible gas, and volatile organic compounds (VOCs) like never before.

The MX6 iBrid™ is more than an intelligent hybrid of Industrial Scientific's best monitoring technologies. It's the first gas monitor to feature a full-color LCD display screen.

The display improves safety with clear readings in low-light, bright-light or anywhere in between. Whether the work is outside, inside or underground, it's easy to see what gas hazards lurk in the immediate work environment.

And a color display is more than eye-catching. It allows the user to step through instrument settings and functions with an intuitive menu and the instrument's five-way navigation button. It even supports the option of on-board graphing for easily interpreted direct readings and recorded data.

Plus, the MX6 iBrid is our most rugged instrument ever. It carries a lifetime warranty and is fully compatible with our DS2 Docking Station™ and iNet™.

## iNet Compatible for Increased Safety, Cost Savings and Productivity

iNet is a software-based service that manages your fleet of gas detectors. iNet solves the most common gas detection problems. For example, iNet keeps people safe by providing visibility into alarms, exposure and usage. It keeps gas detectors working without costly and time-consuming maintenance. And with iNet, you won't have to buy the MX6. So why do it?

## How Does iNet Work?


1. Operators dock gas detectors owned by Industrial Scientific.

2. Docking Stations perform bump tests, calibrations and record-keeping.

3. iNet Control provides visibility into your gas detection program via the Web.

4. iNet e-mails real-time alerts and status reports.

5. When iNet detects a problem, Industrial Scientific rushes a replacement gas detector to you.

| MX6 BASE UNIT | SENSORS OPTIONS | BATTERY OPTIONS | VERSION OPTIONS | LANGUAGE OPTIONS |
|---|---|---|---|---|
| Supplied with Monitor: universal charger, nylon carrying case, belt clip, calibration cup, wrist strap, maintenance tool, manual, quick start guide, calibration tubing, dust filter/water stop (aspirated), calibration fitting (aspirated), sample tubing (aspirated). | Combustible Gases:<br>LEL (Pentane) LEL (Methane)<br>$CH_4$ IR (0-100% vol.) $CH_4$ (0-5%)<br>Hydrocarbons IR (0-100% LEL)<br>Volatile Organic Compounds: PID<br>Toxic Gases:<br>$H_2S$ $O_2$ $NO_2$ CO $CO/H_2S$<br>$NH_3$ $Cl_2$ $ClO_2$ $PH_3$ CO High<br>$SO_2$ HCl HCN $H_2$ $PH_3$ High<br>NO $CO/H_2$ low interference $CO_2$ IR | Li-ion | Diffusion | English |
| | | Li-ion/Ext. Range | Pump | French |
| | | Alkaline | | Spanish |
| | | Li-ion MSHA/AUS | | German |
| | | Li-ion/Ext. Range MSHA/AUS | | Italian |
| | | Alkaline MSHA/AUS | | Dutch |
| | | Li-ion GOST | | Portuguese |
| | | Li-ion/Ext. Range GOST | | Indonesian |
| | | Alkaline GOST | | Russian |
| | | | | Polish |
| | | | | Czech |

**Build and price your MX6 online with the MX6 instrument builder.**
**www.indsci.com/MX6builder.aspx**

| MOST COMMON INSTRUMENT CONFIGURATIONS | |
|---|---|
| **PART NO.** | **DESCRIPTION** |
| MX6-K1230101 | MX6 - LEL, CO, $H_2S$, $O_2$, Li-ion |
| MX6-K0230101 | MX6 - LEL, $H_2S$, $O_2$, Li-ion |
| MX6-K1030101 | MX6 - LEL, CO, $O_2$, Li-ion |
| MX6-K0030101 | MX6 - LEL, $O_2$, Li-ion |
| MX6-K123R211 | MX6 - LEL, CO, $H_2S$, $O_2$, PID, Ext. Li-ion, Pump |
| MX6-K1235101 | MX6 - LEL, CO, $H_2S$, $O_2$, $SO_2$, Li-ion |
| MX6-K0235101 | MX6 - LEL, $H_2S$, $O_2$, $SO_2$, Li-ion |
| MX6-0000R211 | MX6 - PID, Ext. Li-ion, Pump |
| **COMMON INDUSTRY CONFIGURATIONS** | |
| MX6-KJ53R211 | MX6 - LEL, $CO/H_2S$, $O_2$, $SO_2$, PID, Ext. Li-ion, Pump<br>Petroleum Refining |
| MX6-K103Q211 | MX6 - LEL, CO, $O_2$, $CO_2$, Ext. Li-ion, Pump<br>Brewing/Bottling/Wineries |
| MX6-KJ835101 | MX6 - LEL, CO/H2S, $O_2$, $SO_2$, $ClO_2$, Li-ion<br>Pulp/Paper |
| MX6-K673R211 | MX6 - LEL, $O_2$, $NH_3$, $Cl_2$, PID, Ext. Li-ion, Pump<br>HazMat |
| MX6-M1030401 | MX6 - $CH_4$ (%), CO, $O_2$, Li-ion (MSHA/AUS)<br>Mining |
| MX6-M1D34401 | MX6 - $CH_4$ (%), CO, $O_2$, $NO_2$, NO, Li-ion Ext.<br>(MSHA/AUS) Mining (Diesel Applications) |

DS2 DOCKING STATION™

- Stand-alone operation
- Link up to 100 IDS modules – dock thousands of instruments
- Automatic instrument calibration, record keeping, diagnostics and recharging
- Utilizes one central database
- Multilingual display
- iNet™ compatible

| ACCESSORIES | |
|---|---|
| **PART NO.** | **DESCRIPTION** |
| MX6KIT-0000R211 | MX6 Kit - PID, Ext. Li-ion, Pump |
| MX6KIT-K1230211 | Confined Space Kit, 4-gas w/Pump |
| MX6KIT-K123R211 | Confined Space Kit, 4-gas/PID w/Pump |
| 18106724-ABC+ | DS2 Docking Station™ for MX6<br>+ Ordering Information<br>A = Wireless Option (currently unavailable) 0 – none<br>B = number of iGas® Readers<br>C = Power Cord Option (0 – US, 1 – UK, 2 – EU, 3 – AUS, 4 – ITA, 5 – DEN, 6 – SWZ) |
| 18106765 | SP6 Motorized Sampling Pump Module |
| 18107078 | MX6 Constant Flow Hand Aspirated Pump |
| 18107086 | MX6 Datalink Assembly – Software included |
| 18106971 | MX6 Replacement Battery Charger |
| 18107094 | MX6 Battery Charger/Datalink, Universal |
| 18107011 | MX6 Battery Charger, 12V |
| 18107136 | MX6 Battery Charger, 5-Unit |
| 18107243 | MX6 Truck-Mount Charger, 12V |
| 18107250 | MX6 Truck-Mount Charger, (hard-wired) |
| 17131038-1 | Rechargeable Li-ion Battery Pack,<br>UL/CSA/ATEX/IECEx/INMETRO/GOST |
| 17131038-2 | Rechargeable Li-ion Ext. Battery Pack,<br>UL/CSA/ATEX/IECEx/INMETRO/GOST |
| 17131038-4 | Rechargeable Li-ion Battery Pack, MSHA/AUS |
| 17131038-5 | Rechargeable Li-ion Ext. Battery Pack, MSHA/AUS |
| 17131046-3 | Alkaline Battery Pack,<br>UL/CSA/ATEX/IECEx/INMETRO/GOST |
| 17131046-6 | Alkaline Battery Pack, MSHA/AUS |
| 18106856-0 | Hard Leather Carrying Case, Diffusion |
| 18106856-1 | Hard Leather Case, Diffusion (no display window) |
| 18106880-0 | Hard Leather Carrying Case, Aspirated |
| 18106880-1 | Hard Leather Case, Aspirated (no display window) |
| 18106831 | Nylon Carrying Case, MX6 (supplied w/MX6 diffusion) |
| 18106864 | Nylon Carrying Case, MX6/SP6<br>(supplied w/MX6 aspirated) |

## ASPIRATED MX6

- The aspirated version can remotely draw samples from a distance of 30.5 meters (100 feet).

SP6 MOTORIZED SAMPLING PUMP

## CHARGER / DATALINK

- Instantly download event logs and datalog data while instrument battery charges
- Quickly and easily configure instrument settings

MULTI-UNIT CHARGER



CHARGER

TRUCK MOUNT CHARGER



LEATHER CASES

MX6 CONFINED SPACE KIT

Cylinder shown with iGas Card Reader

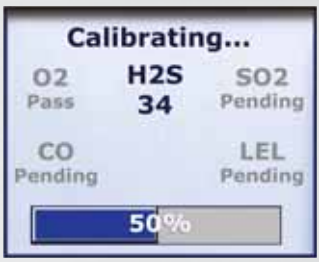
# THE MX6 iBRID™ COLOR DISPLAY

## Enhanced Visibility – Expanded Functionality


The MX6 clearly shows real-time readings in PPM or % by volume.


An intuitive menu provides easy access to features and setup.


Datalog trends and direct readings can be viewed graphically.




Calibration progress and results are shown for each sensor.


A “calibration due” warning appears for each relevant sensor.


Bright red numerals and a flashing backlight show alarm conditions.


Alarms shown with “Go/No Go” text and flashing backlight.


Color-coded text shows test or calibration results at a glance.

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# iBRiD™ MX6

## SPECIFICATIONS

**Case Material:**
Lexan/ABS/Stainless Steel w/protective rubber overmold

**Dimensions:**
135 mm x 77 mm x 43 mm (5.3" x 3.05" x 1.7") – diffusion version

**Weight:**
409 g (14.4 oz) typical – diffusion version

**Display/Readout:**
STN Color Graphic LCD

**Power Source/Run Times:**
Rechargeable Lithium-ion (Li-ion) Battery Pack (24 hours typical) – diffusion version
Rechargeable, Extended-Range Lithium-ion (Li-ion) Battery Pack (36 hours typical) – diffusion version
Replaceable AA Alkaline Battery Pack (10.5 hours typical) – diffusion version

**Operating Temperature Range:**
-20ºC to 55ºC (-4ºF to 131ºF) typical

**Operating Humidity Range:**
15% to 95% non-condensing (continuous) typical

**Sensors:**
Combustible gas/Methane – Catalytic Diffusion/Infrared
Oxygen and Toxic gases – Electrochemical
$CO_2$ – Infrared
VOCs – 10.6 eV PhotoIonization

**Measuring Ranges:**
Combustible Gas – 0 to 100% LEL in 1% or 10 ppm increments – Catalytic (0 to 100% LEL in 1% increments – Infrared)
Methane – 0 to 5% of volume in 0.1% increments – Catalytic (0 to 100% of volume in 1% increments – Infrared)
Oxygen – 0 to 30% of volume in 0.1% increments
Carbon Monoxide – 0 to 1,000 ppm in 1 ppm increments (0 to 9,999 ppm in 1 ppm increments optional)
Hydrogen Sulfide – 0 to 500 ppm in 0.1 ppm increments
$CO/H_2S$ – Carbon Monoxide – 0 to 500 ppm in 1 ppm increments – Hydrogen Sulfide – 0 to 200 ppm in 0.1 ppm increments
Hydrogen, Nitric Oxide – 0 to 1,000 ppm in 1 ppm increments
Chlorine – 0 to 100 ppm in 0.1 ppm increments
Nitrogen Dioxide, Sulfur Dioxide – 0 to 100 ppm in 0.1 ppm increments
Hydrogen Cyanide, Hydrogen Chloride – 0 to 30 ppm in 0.1 ppm increments
Ammonia – 0 to 100 ppm in 1 ppm increments
Chlorine Dioxide – 0 to 1 ppm in 0.01 ppm increments
Phosphine – 0 to 5 ppm in 0.01 ppm increments (0 to 1,000 ppm in 1 ppm increments optional)
Carbon Dioxide – 0 to 5% of volume in 0.01% increments
VOCs (general) – 0 to 2,000 ppm in 0.1 increments

**Certifications:**
UL – Class I, Groups A,B,C,D T4; Class II, Groups F,G; AEx ia d IIC T4
CSA – Class I, Groups A,B,C,D T4; Ex d ia IIC T4
MSHA – 30 CFR, Part 18 and 22, Intrinsically safe for methane/air mixtures
IECEx/ATEX – Ex ia d I/IIC; IP65 (IP64 pump version)
Equipment Group and Category: II 2G / I M1 (I M2 w/IR sensor)
EN 60079-29-1; EN 50104
ANZEx – Ex ia s Zone 0 I, IP64 Asp., IP65 Dif.
Ex ia s Zone 0 IIC T4
INMETRO – BR-ExdiaIICT4
GOST-R – PBExiadI X / 1ExiadIICT4 X

ISO 9001:2008 CERTIFIED
ISO 14001:2004 CERTIFIED

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REV 0111