

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 most adaptable six-gas monitor on the market. With hundreds of possible sensor combinations, and a robust list of available configuration settings, the MX6 iBrid is ready to monitor oxygen, toxic and combustible gas, and volatile organic compounds (VOCs).

As your work changes, so can your MX6 iBrid. It uses five sensor slots to detect up to six gases. Each of those sensor slots accepts a variety of sensors, which means you can use the instrument with a PID sensor one day and an infrared sensor the next. What's more, settings allow you to adapt the instrument's behavior for your application. If you need to use a benzene PID response factor for one application, and butadiene for others, the familiar menu structure will allow you to quickly change settings.

The rugged MX6 iBrid carries our Guaranteed for Life™ warranty and is compatible with DSX™ Docking Stations. With a DSX Docking Station, maintenance is simplified and data becomes more than a spreadsheet filled with logged readings. Proactively manage your gas detection fleet—track trends, know when instrument maintenance will be required, and understand how your MX6 iBrid instruments are being used.

INDUSTRIAL

- 24 "Plug-and-Play" field-replaceable sensors including PID and Infrared options
- Up to 6 gases monitored simultaneously
- Simple, user-friendly, customizable, menu-driven navigation
- Five-way navigation button
- Durable, concussion-proof overmold
- Optional integral sampling pump with strong 30.5 meter (100 feet) sample draw
- Full-color graphic LCD is highly visible in a variety of lighting conditions
- Powerful, 95 dB audible alarm





# Which MX6 iBrid Configuration Do You Need?

| PART NO.     | DESCRIPTION   |
|--------------|---|
| MX6-K1230201 | MX6 iBrid – LEL, CO, H <sub>2</sub> S, O <sub>2</sub> , Ext. Li-ion                   |
| MX6-K0230201 | MX6 iBrid – LEL, H <sub>2</sub> S, O <sub>2</sub> , Ext. Li-ion                       |
| MX6-K1030201 | MX6 iBrid – LEL, CO, O <sub>2</sub> , Ext. Li-ion                                     |
| MX6-K0030201 | MX6 iBrid – LEL, O <sub>2</sub> , Ext. Li-ion   |
| MX6-K123R211 | MX6 iBrid with Pump – LEL, CO, H <sub>2</sub> S, O <sub>2</sub> , PID, Ext. Li-ion    |
| MX6-K1235201 | MX6 iBrid – LEL, CO, H <sub>2</sub> S, O <sub>2</sub> , SO <sub>2</sub> , Ext. Li-ion |
| MX6-0000R211 | MX6 iBrid with Pump — PID, Ext. Li-ion  |
| MX6-K0235201 | MX6 iBrid – LEL, H <sub>2</sub> S, O <sub>2</sub> , SO <sub>2</sub> , Ext. Li-ion     |

y = Agency Certification: 1 = UL/CSA, 2 = ATEX/IECEx, 3 = MSHA, 4 = ANZEx, 5 = CHINA EX, 6 = China MA, 7 = GOST-R/GOST-K, 8 = KOSHA, 9 = INMETRO, A = MED, B = SANS 1515, C = CHINA KA D = TIIS

# Which Accessories Will You Need?

# CHECKLIST □ Docking Stations □ Sample Tubing □ Vehicle Chargers □ Calibration Stations □ Confined Space Kits □ Multi-Unit Chargers □ Compliance Tracking Software (iNet Control) □ Spare Batteries □ Carrying Cases □ Replacement Sensors □ Filters

**Desktop Chargers** 

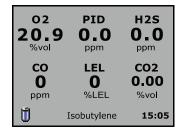


z = Language: 1 = EN, 2 = FR, 3 = ES, 4 = DE, 5 = ITA, 6 = DUT, 7 = PT, 9 = RUS, A = POL, B = CZE, C = CN, D = DAN, E = NOR, F = FIN, G = SWE, J = JPN

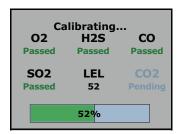


# The MX6 iBrid Color Display

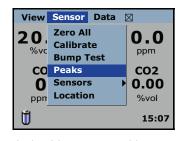
Enhanced Visibility - Expanded Functionality



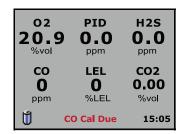
The MX6 iBrid clearly shows real-time readings in PPM or % by volume.



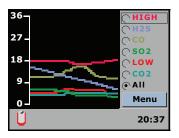
Calibration progress and results are shown for each sensor.



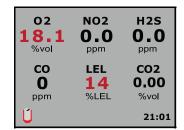
An intuitive menu provides easy access to features and setup.



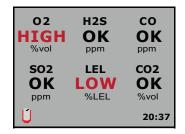
A "calibration due" warning appears for each relevant sensor.



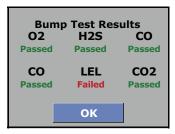
Data log trends and direct readings can be viewed graphically.



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.

# **SPECIFICATIONS\***

# **INSTRUMENT WARRANTY**

Warranted for as long as the instrument is supported by Industrial Scientific

# **CASE MATERIAL**

Lexan/ABS/Stainless Steel with protective rubber overmold

135 x 77 x 43 mm (5.3 x 3.05 x 1.7 in) without Pump 167 x 77 x 56 mm (6.6 x 3.1 x 2.2 in) with Pump

## WEIGHT

Motoc:

409 g (14.4 oz) typical, without Pump 511 g (18.0 oz) typical, with Pump

# DISPLAY/READOUT

Color Graphic Liquid Crystal Display

# **POWER SOURCE/RUN TIMES**

Rechargeable, Extended-Range Lithium-ion Battery Pack (36 hours) without Pump Rechargeable, Extended-Range Lithium-ion Battery Pack (20 hours) with Pump Replaceable AA Alkaline Battery Pack (10.5 hours) without Pump

# **OPERATING TEMPERATURE RANGE**

-20 °C to 55 °C (-4 °F to 131 °F)

# **OPERATING HUMIDITY RANGE**

15% to 95% non-condensing (continuous)

| Notes: |  |  |  |
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| MEASURING RANGES<br>SENSOR   | RANGE                       | RESOLUTION |
|------------------------------|-----------------------------|------------|
| CATALYTIC BEAD               |                             |            |
| Combustible Gas              | 0-100% LEL                  | 1%         |
| Methane                      | 0-5% vol                    | 0.01%      |
| ELECTROCHEMICAL              |                             |            |
| Ammonia                      | 0-500 ppm                   | 1          |
| Carbon Monoxide              | 0-1,500 ppm                 | 1          |
| Carbon Monoxide (High Range) | 0-9,999 ppm                 | 1          |
| Carbon Monoxide/Hydrogen low | 0-1,000 ppm                 | 1          |
| Chlorine                     | 0-50 ppm                    | 0.1        |
| Chlorine Dioxide             | 0-1 ppm                     | 0.01       |
| Carbon Monoxide/             | CO: 0-1,500 ppm             | 1          |
| Hydrogen Sulfide (COSH)      | H <sub>2</sub> S: 0-500 ppm | 0.1        |
| Hydrogen                     | 0-2,000 ppm                 | 1          |
| Hydrogen Chloride            | 0-30 ppm                    | 0.1        |
| Hydrogen Cyanide             | 0-30 ppm                    | 0.1        |
| Hydrogen Sulfide             | 0-500 ppm                   | 0.1        |
| Nitric Oxide                 | 0-1,000 ppm                 | 1          |
| Nitrogen Dioxide             | 0-150 ppm                   | 0.1        |
| Oxygen                       | 0-30% vol                   | 0.1%       |
| Phosphine                    | 0-5 ppm                     | 0.01       |
| Phosphine (High Range)       | 0-1,000 ppm                 | 1          |
| Sulfur Dioxide               | 0-150 ppm                   | 0.1        |
| INFRARED                     |                             |            |
| Hydrocarbons                 | 0-100% LEL                  | 1%         |
| Methane (% vol)              | 0-100% vol                  | 1%         |
| Methane (% LEL)              | 0-100% LEL                  | 1%         |
| Carbon Dioxide               | 0-5% vol                    | 0.01%      |
| PHOTOIONIZATION              |                             |            |
| VOC                          | 0-2,000 ppm                 | 0.1        |
|                              |                             |            |

# **CERTIFICATIONS**

INGRESS PROTECTION IP64

ANZEx: Ex ia s Zone O I; Ex ia s Zone O IIC T4

Ex ia IIC T4 Ga; II 1G (or Ex d ia IIC T4 Gb IR sensor); ATEX:

Ex ia I; Equipment Group and Category: I M1/II 1G

China CPC: Metrology Approval China Ex: Ex ia d I/IIC T4

Approval for Mining Products; CH<sub>4</sub>, O<sub>2</sub>, CO, CO<sub>2</sub> CMA:

CSA: CI I, Gr A-D T4; Ex d ia IIC T4 EAC: PBExiadl X; 1ExiadIICT4 X

IECEx: Ex ia I (Ex ia d I IR sensor); Ex ia IIC T4 Ga; Ex d ia IIC T4 Gb

INMETRO: Ex ia IIC T4 Ga Ex d ia IIC T4 KC: KIMM: Ex d ia IIC T4

Registration of Plant Design; CH<sub>4</sub>, O<sub>2</sub>, CO, H<sub>2</sub>S, NO<sub>2</sub> MDR: MSHA: 30 CRF, Part 22, Intrinsically safe for methane/air mixtures BFE 114-08 Permissible for PA Bituminous Underground Mines PA-DEP:

CI I, Div 1, Gr A-D, T4; CI II, Groups F-G;

CI I, Zone LEL O, AEx ia d IIC T4 (or AEx ia d IIC T4 IR sensor)

<sup>\*</sup> These specifications are based on performance averages and may vary by instrument.



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