

Specifications Sheet

**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 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.

- 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



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

DIMENSIONS

135 x 77 x 48 mm (5.3 x 3.05 x 1.9 in) without Pump

193 x 77 x 56 mm (7.6 x 3.1 x 2.2 in) with Pump

WEIGHT

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)

CERTIFICATIONS

INGRESS PROTECTION IP64

ANZEx: Ex ia s Zone 0 I; Ex ia s Zone 0 IIC T4

ATEX: Ex ia IIC T4 Ga; II 1G (or Ex d ia IIC T4 Gb IR sensor);
Ex ia I; Equipment Group and Category: I M1/II 1G

China CPC: Metrology Approval

China Ex: Ex ia d I/IIC T4

CMA: Approval for Mining Products; CH₄, O₂, CO, CO₂

CSA: Cl I, Gr A-D T4; Ex d ia IIC T4

EAC: PBExiadl X; 1ExiadlIIC T4 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

KC: Ex d ia IIC T4

KIMM: Ex d ia IIC T4

MDR: Registration of Plant Design; CH₄, O₂, CO, H₂S, NO₂

MSHA: 30 CRF, Part 22, Intrinsically safe for methane/air mixtures

PA-DEP: BFE 114-08 Permissible for PA Bituminous Underground Mines

UL: Cl I, Div 1, Gr A-D, T4; Cl II, Groups F G;

Cl I, Zone LEL 0, AEx ia d IIC T4 (or AEx ia d IIC T4 IR sensor)

MEASURING RANGES

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/ Hydrogen Sulfide (COSH)	CO: 0-1,500 ppm H ₂ S: 0-500 ppm	1 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

* These specifications are based on performance averages and may vary by instrument.



For a list of classes, videos, or to download the GDME App, visit www.indsci.com/training

Which Accessories Will You Need?

CHECKLIST

- | | | |
|--|--|--|
| <input type="checkbox"/> Docking Stations | <input type="checkbox"/> Sample Tubing | <input type="checkbox"/> Vehicle Chargers |
| <input type="checkbox"/> Calibration Stations | <input type="checkbox"/> Confined Space Kits | <input type="checkbox"/> Multi-Unit Chargers |
| <input type="checkbox"/> Compliance Tracking Software (iNet Control) | <input type="checkbox"/> Spare Batteries | <input type="checkbox"/> Carrying Cases |
| <input type="checkbox"/> Probes | <input type="checkbox"/> Replacement Sensors | <input type="checkbox"/> Filters |
| | <input type="checkbox"/> Desktop Chargers | |

For a list of all accessories, visit: www.indsci.com/mx6

**INDUSTRIAL
SCIENTIFIC**

www.indsci.com

Rev 2 0319

AMERICAS

Phone: +1-412-788-4353

1-800-DETECTS (338-3287) | info@indsci.com

ASIA PACIFIC

Phone: +65-6561-7377

Fax: +65-6561-7787 | info@ap.indsci.com

EMEA

Phone: +33 (0)1 57 32 92 61

Fax: +33 (0)1 57 32 92 67 | info@eu.indsci.com