

6-Gas Portable Detector

MX6 iBrid

- ▶ 24 "Plug-and-Play" field-replaceable sensors including PID and Infrared options
- ▶ Optional integral sampling pump with strong 30.5 meter (100 feet) sample draw
- ▶ Up to 6 gases monitored simultaneously



MX6 iBrid



MX6 iBrid with Pump

Specification

MX6 IBRID	
Instrument Warranty:	Warranted for as long as the instrument is supported by Industrial Scientific Corporation
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") - without pump 167 mm x 77 mm x 56 mm (6.6" x 3.1" x 2.2") - 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 Lithium-ion (Li-ion) Battery Pack (24 hours) - without pump (36 hours) - without pump Replaceable AA Alkaline Battery Pack (10.5 hours) - without pump
Operating Temperature Range:	-20°C to 50°C typical
Operating Humidity Range:	15% to 95% non-condensing (continuous)

MEASURING RANGES

Sensor	Range	Resolution	Sensor	Range	Resolution
Catalytic Bead			Hydrogen Sulfide	0-500 ppm	0.1
Combustible Gas	0-100% LEL	1%	Nitric Oxide	0-1,000 ppm	1
Methane	0-5% vol	0.01%	Nitrogen Dioxide	0-150 ppm	0.1
Electrochemical			Oxygen	0-30% vol	0.10%
Ammonia	0-500 ppm	1	Phosphine	0-5 ppm	0.01
Carbon Monoxide	0-1,500 ppm	1	Phosphine (High Range)	0-1,000 ppm	1
Carbon Monoxide (High Range)	0-9,999 ppm	1	Sulfur Dioxide	0-150 ppm	0.1
Carbon Monoxide/Hydrogen low	0-1,000 ppm	1	Infrared		
Chlorine	0-50 ppm	0.1	Hydrocarbons	0-100% LEL	1%
Chlorine Dioxide	0-1 ppm	0.01	Methane (% vol)	0-100% vol	1%
Carbon Monoxide/	CO: 0-1,500 ppm	1	Methane (% LEL)	0-100% LEL	1%
Hydrogen Sulfide (COSH)	H2S: 0-500 ppm	0.1	Carbon Dioxide	0-5% vol	0.01%
Hydrogen	0-2,000 ppm	1	Photoionization		
Hydrogen Chloride	0-30 ppm	0.1	VOC	0-2,000 ppm	0.1
Hydrogen Cyanide	0-30 ppm	0.1			

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	CFR30, Part 22, Intrinsically safe for methane/air mixtures
ATEX	"Ex ia IIC T4 Ga / Ex ia I Ma; IP65 (IP64 pump version); Equipment Group and Category: II 1G / I M1 (I M2 w/IR sensor)"
IECEX	Ex ia IIC T4 Ga / Ex ia I (Ex ia d I w/IR sensor)
ANZEx	Ex ia s Zone 0 I, IP64 Asp., IP65 Dif. Ex ia s Zone 0 IIC T4
INMETRO	BR - Ex ia d IIC T4 Gb
GOST-R	PBExiadl X / 1ExiadlICT4 X
KOSHA	Ex d ia IIC T4
China Ex	Ex ia d I/IIIC T4
China CPC	Metrology Approval

MX6 iBrid Ordering Matrix

BASE INSTRUMENT	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 (with pump), calibration fitting (with pump), sample tubing (with pump).	Combustible Gases: LEL (Pentane) LEL (Methane) CH4 IR (0-100% vol.) CH4 (0-5%) Hydrocarbons IR (0-100% LEL)	Li-ion Li-ion/Ext. Range Alkaline	without pump with pump	English French Spanish German
	Volatile Organic Compounds: PID	Li-ion MSHA/AUS Li-ion/Ext. Range MSHA/AUS Alkaline MSHA/AUS		Italian Dutch
	Toxic Gases: H2S, O2, NO2, CO, CO/H2S, NH3, Cl2, ClO2, PH3, CO High, SO2, HCl, HCN, H2 PH3 High, NO, CO/H2 low interference, CO2 IR	Li-ion GOST Li-ion/Ext. Range GOST Alkaline GOST		Portuguese Indonesian Russian Polish Czech

MOST COMMON INSTRUMENT CONFIGURATIONS FOR (UL/CSA)

PART NO.	DESCRIPTION
MX6-K1230101	MX6 - LEL, CO, H2S, O2, Li-ion
MX6-K0230101	MX6 - LEL, H2S, O2, Li-ion
MX6-K1030101	MX6 - LEL, CO, O2, Li-ion
MX6-K0030101	MX6 - LEL, O2, Li-ion
MX6-K123R211	MX6 - LEL, CO, H2S, O2, PID, Ext. Li-ion, Pump
MX6-K1235101	MX6 - LEL, CO, H2S, O2, SO2, Li-ion
MX6-K0235101	MX6 - LEL, H2S, O2, SO2, Li-ion
MX6-0000R211	MX6 - PID, Ext. Li-ion, Pump

COMMON INDUSTRY CONFIGURATIONS FOR (UL/CSA)

Petroleum Refining:	MX6 - LEL, CO/H2S, O2, SO2, PID, Ext. Li-ion, Pump
Brewing/Bottling/Wineries:	
MX6-K103Q211	MX6 - LEL, CO, O2, CO2, Ext. Li-ion, Pump
Pulp/Paper:	
MX6-KJ835101	MX6 - LEL, CO/H2S, O2, SO2, ClO2, Li-ion
HazMat:	
MX6-K673R211	MX6 - LEL, O2, NH3, Cl2, PID, Ext. Li-ion, Pump
Mining:	
MX6-M1030401	MX6 - CH4 (%), CO, O2, Li-ion (MSHA/AUS)
Mining (Diesel Applications):	
MX6-M1D34401	MX6 - CH4 (%), CO, O2, NO2, NO, Li-ion Ext.

Accessories



MX6 iBrid Confined space Kit



MX6 iBrid Replacement sensor



MX6 iBrid Sampling Pump



MX6 iBrid Chargers



MX6 iBrid in DS2