

# MX6-COV

**Volatile Organic Compounds: Photo Ionization Detector (PID)**  
0-2000 ppm in 0,1 ppm increments

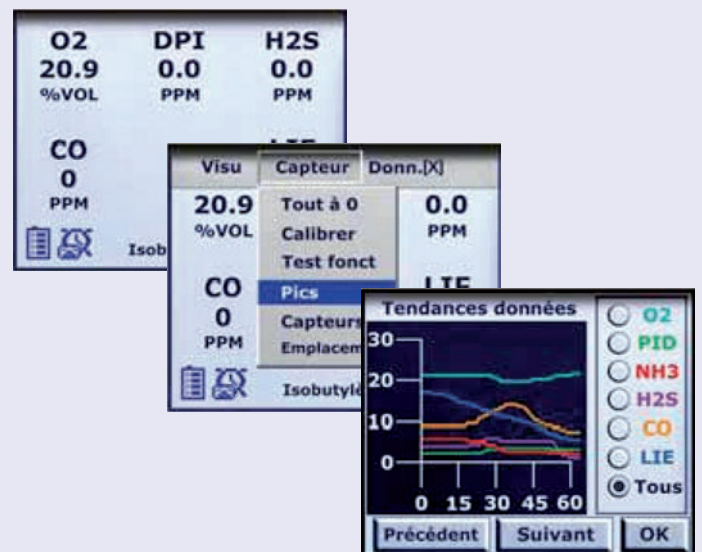


## INTRODUCTION

The **MX6** is more than an intelligent hybrid of the 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.

### Enhanced visibility and expanded functionality:



*The MX6 clearly shows real-time readings in PPM or % by volume. An intuitive menu provides easy access to features and setup. It even supports the option of on-board graphing for easily interpreted direct readings and recorded data.*

## TECHNICAL FEATURES

**VOCs (Volatile Organic Compounds) gas detector**  
**Photo Ionization Detector (PID) with the opportunity to add more sensors (up to 5)**

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

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

**Dimensions:** 13.5 cm x 7.7 cm x 4.3 cm (5.3" x 3.05" x 1.7") – diffusion version

### Power Source (Run times):

- Rechargeable Lithium-ion (Li-ion) Battery Pack (24 hours typical)
- Rechargeable, Extended-Range Lithium-ion (Li-ion) Battery Pack (36 hours typical)
- Replaceable AA Alkaline Battery Pack (10.5 hours typical)

### 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: Ex ia IIC T4 Ga
- GOST-R: PBExiaI X / 1ExiadIIC T4 X
- KOSHA: Ex d ia IIC T4
- China Ex: Ex ia d I/IIC T4
- China CPC: Metrology Approval

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Reference sheet of volatil organic compounds that can be detected with a 10,6 eV photo ionization lamp



Acetaldehyde Acetic acid)  
Methyl pentyl ketone  
Acetic anhydride  
Acetone  
Acrolein  
Acrylamide  
Allyl and propyl disulphide  
(Epichlorohydrin - Ethanol)  
Allyl chloride  
Allyl glycidyle oxide  
Aminopyridine  
Amyl acetate  
Aniline  
Aziridine  
Benzene  
Benzyl chloride  
Biphenyl  
Bromoform  
Butadiene  
Butanethiol  
Butoxyethanol  
Butyl acetate  
Butyl glycidyle oxide  
Butylamine  
Butyltoluene  
Camphor vapour  
Carbon sulfide  
Chloroacetaldehyde  
Chlorobenzene  
Chloromethyl methyl oxide  
Chloronitropropane  
Chloroprene  
Chrysene  
Cresol  
Crotonaldehyde

Cumene  
Cyclohexane  
Cyclohexanol  
Cyclohexanone  
Cyclohexene  
Cyclopentadiene  
Diacetone alcohol  
Diazomethane  
Dibutyl phthalate  
Dichlorobenzene  
Dichloroethyl ether  
Dichloroethylene  
Dichlorvos  
Diesel  
Diethylamine  
Diethylaminoethanol  
Diethylaniline  
Diglycidyl ether  
Diisobutyl ketone  
Diisopropylamine  
Dimethyl formamide  
Dimethyl phthalate  
Dimethylacetamide  
Dimethylamine  
Dimethylhydrazine  
Dinitroaniline  
Dinitrobenzene  
Dinitrocresol  
Dinitrotoluene  
Dioxane  
Diphenyl Oxide  
Dypropylene glycol ethyl ether  
Ethanolamine  
Ethoxyethyl acetate  
Ethyl acetate  
Ethyl acrylate  
Ethyl benzene  
Ethyl bromide  
Ethyl butyl ketone  
Ethyl ether  
Ethyl mercaptan  
Ethyl pentyl ketone  
Ethyl silicate

Ethylamine  
Ethylene dibromide  
Ethylene glycol acetate monoethyl ether  
Ethylenediamine  
Ethylhexyl decyl phtalate  
Fuel  
Furfural  
Furfuryl alcohol  
Glycidol  
Glycidyl isopropyl ether  
Heptane  
Hexane  
Hexanone  
Hexone  
Hexyl acetate  
Hydroquinone  
Isoamyl acetate  
Isoamyl alcohol  
Isobutyl alcohol  
Isophorone  
Isopropyl acetate  
Isopropyl alcohol  
Isopropyl amine  
Isopropyl ether  
JP 4, 6, 8  
Ketene  
Liquid colorant vapour  
Mesityl oxide  
Methanethiol  
Methyl acetate  
Methyl acrylate  
Methyl bromide  
Methyl ethyl ketone  
Methyl hydrazine  
Methyl iodide  
Methyl methacrylate  
Methylamine  
Methylcyclohexane  
Methylcyclohexanol  
Methylcyclohexanone  
Monomethylaniline  
Morpholine

Naphthalene  
Naphthylamine  
Nitroaniline  
Nitrobenzene  
Nitromethane  
Nitrosodimethylamine  
Nitrotoluene  
Octane  
Pentaborane  
Pentane  
Pentanone  
Perchloroethylene  
Phenacyl chloride  
Phenol  
Phenylenediamine  
Phenylhydrazine  
Propyl acetate  
Propyl alcohol  
Propylene chloride  
Propylene oxide  
Propyleneimine  
Propyne  
Pyridine  
Quinone  
Stibine  
Stoddard solvent vapour  
Styrene  
Terpinyl  
tert-Butyl alcohol  
Tetrachloroethylene  
Tetrachloronaphtalene  
Tetrahydrofuran  
Tetramethyl lead  
Toluene  
Toluidine  
Trichloroethylene  
Triethylamine  
Turpentine vapour  
Vinyl chloride  
Vinyl toluene  
White spirit  
Xylene