

TracXP™

INDUSTRIAL GAS SOLUTIONS
by Macurco

TracXP is the industrial products division of Macurco Gas Detection, who has been providing gas detection solutions for over 50 years. The TracXP line addresses special hazard applications including harsh industrial environments and hazardous locations with a comprehensive line of wired and wireless gas detection solutions.



TracXP Industrial Calibration Guide



Gas Sold Separately

The TracXP TXP-T40 and TXP-WTA transmitters require routine testing and calibration. TracXP offers a calibration kit and appropriate bump/calibration gas to test and calibrate the detectors in the field. Sensors may drift over time, so it is recommended to have a maintenance plan to ensure detectors respond to gas appropriately. Gas calibration is exposing a sensor to a target gas at a specific concentration and then adjusting the gas detector to read that gas concentration properly. Macurco recommends testing and calibration at least once per quarter / three months at a minimum, but depending on the application and risk potential of the application a greater frequency might be needed. Check with local authorities for any specific regulations.

Calibration Video

Part Number	Description	Includes	Gas	Used With
30-0062-2200-1	CAL KIT TXP 1	Calibration Case, Teflon Tubing (3'), Magnetic Wands, 0.5 LPM (Male) Regulator	Sensor Specific (sold separately)	T40 Poly, T40 AL, T40 SS, WTA Poly, WTA AL
88-C50I-0000-00	TXP Sensor Head Cal-Adapter (Stainless Steel Sensor Housing Only)			T40 AL, T40 SS, WTA AL
82-1100-0000-00	Gas Regulator, 0.5 LPM Fixed Flow, Male Thread			T40 Poly, T40 AL, T40 SS, WTA Poly, WTA AL
31-0006-4603-2	Gas Regulator (Male), Demand Flow 0-3 LPM, Stainless Steel			T40 Poly, T40 AL, T40 SS, WTA Poly, WTA AL, TXP-SDA
88-C50G-0000-00	TXP SPLASH GUARD WITH CALIBRATION PORT (Stainless Steel Sensor Housing Only)			T40 AL, T40 SS, WTA AL

TracXP Gases

TracXP Part Number	Gas	Concentration	Description
Zeroing Gas Cylinders			
82-7044-0070-00	Zero Air Oxygen	20.9% Vol	Zero Emission Air, 105L Cylinder 20.9% Volume Oxygen (O2) Balance Nitrogen (N2)
37-0442-4462-2	Nitrogen	100% Vol	Nitrogen – N2, Bal/N2, 100% Vol, 105L
Toxic Span Gas Cylinders			
82-5012-0000-18	Ammonia	50 PPM	Ammonia - NH3, Bal/N2, 50 ppm, 58L
37-0031-4244-2	Ammonia	200 PPM	Ammonia - NH3, 200 ppm, Bal/N2, 58L
82-7014-0000-26	Carbon Dioxide	10,000 PPM	Carbon Dioxide - CO2, Bal/Air, 10,000 ppm/1.0% Vol, 105L
82-0714-0030-00	Carbon Dioxide	25,000 PPM	Carbon Dioxide - CO2, Bal/N2, 2.5% Vol, 105L
82-7014-0040-00	Carbon Dioxide	50,000 PPM	Carbon Dioxide - CO2, Bal/N2, 50,000 ppm / 5.0% Vol, 105L
82-7014-0090-00	Carbon Dioxide	50% Vol	Carbon Dioxide - CO2, Bal/N2, 50.0% Vol, 105L
37-0080-8164-2	Carbon Monoxide	25 PPM	Carbon Monoxide - CO, 25 ppm, Bal/Air, 105L
82-7015-0000-18	Carbon Monoxide	50 PPM	Carbon Monoxide - CO, Bal/Air, 50 ppm, 105L
82-5014-0000-19	Carbon Monoxide	100 PPM	Carbon Monoxide - CO, Bal/Air, 100 ppm, 58L
82-7015-0000-22	Carbon Monoxide	500 PPM	Carbon Monoxide - CO, Bal/Air, 500 ppm, 105L
82-5016-0000-11	Chlorine	1 PPM	Chlorine - CL2, Bal/N2, 1 ppm, 58L
82-5016-0000-13	Chlorine	5 PPM	Chlorine - CL2, Bal/N2, 5 ppm, 58L
82-5019-0000-14	Ethylene Oxide	10 PPM	Ethylene Oxide - C2H4O, Bal/N2, 10 ppm, 58L
37-0251-2244-2	Hydrogen Chloride	50 PPM	Hydrogen Chloride - HCL, 50 ppm, Bal/N2, 58L
82-5827-0000-16	Hydrogen Cyanide	25 PPM	Hydrogen Cyanide - HCN, Bal/N2, 25 ppm, 58L
37-0291-0444-2	Hydrogen Sulfide	5 PPM	Hydrogen Sulfide - H2S, Bal/Air, 5 ppm, 58L
82-5030-0000-16	Hydrogen Sulfide	25 PPM	Hydrogen Sulfide - H2S, Bal/Air, 25 ppm, 58L
37-0291-1344-2	Hydrogen Sulfide	100 PPM	Hydrogen Sulfide - H2S, Bal/Air, 100 ppm, 58L
37-0291-5144-2	Hydrogen Sulfide	250 PPM	Hydrogen Sulfide - H2S, Bal/Air, 250 ppm, 58L
82-5032-0000-13	Methyl Mercaptan	5 PPM	Methyl Mercaptan - CH3SH, Bal/N2, 5 ppm, 58L
82-5033-0000-18	Nitric Oxide	50 PPM	Nitric Oxide - NO, Bal/N2, 50 ppm, 58L
37-0451-0644-2	Nitrogen Dioxide	10 PPM	Nitrogen Dioxide - NO2, Bal/Air, 10 ppm, 58L
82-7011-0000-29	Oxygen	5% Vol	Oxygen - O2, Bal/N2, 5% Vol, 105L
82-5038-0000-12	Phosphine	3 PPM	Phosphine - PH3, Bal/N2, 3 ppm, 58L
82-5040-0000-14	Sulfur Dioxide	10 PPM	Sulfur Dioxide - SO2, Bal/Air, 10 ppm, 58L
Combustible (LEL) Span Gas Cylinders			
82-7000-6103-00	Acetylene	50% LEL	Cal-Gas Acetylene - C2H2, Bal/Air, 50% LEL / 1.25% Volume, 105L
82-7000-5403-00	Ethylene	50% LEL	Cal-Gas Ethylene - C2H4, Bal/Air, 50% LEL / 1.35% Volume, 105L
37-0232-2164-2	Hydrogen	5,000 PPM	Cal-Gas Hydrogen - H2, 5,000 ppm, Bal/Air, 105L
82-7000-5303-00	Hydrogen	50% LEL	Cal-Gas Hydrogen - H2, Bal/Air, 50% LEL / 2.0% Volume, 105L
37-0311-3164-2	Isobutylene	100 PPM	Cal-Gas Isobutylene - C4H8, 100 ppm, Bal/Air, 105L
82-7000-5101-00	Methane	25% LEL	Cal-Gas Methane - CH4, Bal/Air, 25% LEL / 1.25% Volume, 105L
82-7000-5103-00	Methane	50% LEL	Cal-Gas Methane - CH4, Bal/Air, 50% LEL / 2.5% Volume, 105L
37-0372-4263-2	Methane	50% Vol	Cal-Gas Methane - CH4, Bal/N2, 50% Vol, 105L
82-7000-5703-00	N-Butane	50% LEL	Cal-Gas N-Butane - C4H10, Bal/Air, 50% LEL / 0.9% Volume, 105L
82-7000-5903-00	Pentane	50% LEL	Cal-Gas Pentane - C5H12, Bal/Air, 50% LEL / 0.7% Volume, 105L
37-0521-2864-2	Propane	25% LEL	Cal-Gas Propane - C3H8, Bal/Air, 25% LEL, 103L
82-7000-5203-00	Propane	50% LEL	Cal-Gas Propane - C3H8, Bal/Air, 50% LEL / 1.05% Volume, 105L



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