



COLORIMETRIC TUBES & WATCHGAS HAND PUMP

Features and benefits

WatchGas Hand Pump: Automatic draw pump stroke counter

Ergonomic, durable hand pump. Solid metal construction with a lifetime warranty. Springless piston design accurately draws 25-, 50- and 100-mL volumes. Easy indication of 25mL, 50 mL or 100 mL draw with built-in automatic draw pump stroke counter. A thermal ring that allows you to apply the correction factor on the reading on the tube when required, for an even more accurate measurement. The hand pump is ergonomically designed with a hand strap positioned at the front of the pump to eliminate snagging on sampling.

The GEN-7 Air Sampling Pump

The GEN-7 Air Sampling Pump is designed for use with any brand of gas detection tubes, thanks to the different adapters that are included. The WatchGas GEN-7 Air Sampling Pump allows accurate measurements of gases with a guaranteed 50ml or 100ml air sample or more with multiple pump strokes. To be used with all short term Gas Detector Tubes of 6mm and 8mm \varnothing .

WatchGas Tubes

 **Simple use**


Easy to use, even in multiple layers of gloves and PPE. Easy to read with sharp, clear color changes. No calibration or other maintenance is required. It comes with a built-in illuminated leak check function for the pump to avoid incorrect readings. WatchGas Tubes offers an easy and straightforward solution for various applications.

 **Quality**

With decades of manufacturing experience, we use only the best processes, which allows us to obtain the quality of the colorimetric tubes. We have also designed and manufactured a quality pump, and the tubes come in plastic casings to protect against damage during transportation.

 **Wide availability**


With over 69 different tubes and more under development, the WatchGas tube range is constantly expanding. As applications of interest come, we will look to make a bespoke tube for that application or target gas to allow our partners to offer a solution in this space.

 **Traceability**

WatchGas Tube Application collects environmental data from the internet and connects it to the tube reading, providing best-in-class documentation for the measurements conducted. Additionally, the data is automatically uploaded to the WatchGas RTR Software Solution.

 **Cost effectiveness**

We focus on providing the best quality tubes in the market for the right price. Our tubes are positioned at a price point that allows our customers to have quick access to the use of tubes without compromising on quality. Please speak to your local partner to see what they can do to meet your Colorimetric Tube needs.

 **Knowledge**

As we look to grow the tubes business, we lean on the knowledge we have at WatchGas. We have Manufacturing experience and Partners who know this market well. We will continue to grow the portfolio and our knowledge of this market.

Type Part	Number	Standard Range	Extended Range
Acetone	WG-ACE-40	0.1 – 2%	0.05 – 10%
Amines	WG-AMI-10	0.5 – 10 ppm	0.25 – 20 ppm
Ammonia	WG-NH3-05	1 – 30 ppm	0.5 – 60 ppm
	WG-NH3-10	5 – 100 ppm	2.5 – 200 ppm
	WG-NH3-12	10 – 260 ppm	5 – 520 ppm
	WG-NH3-15	25 – 500 ppm	12 – 1,000 ppm
	WG-NH3-40	1 – 15%	0.5 – 30%
Benzene	WG-BZE-01*	0.5 – 10 ppm selective	0.25 – 30 ppm
	WG-BZE-10*	5.0 – 40 ppm selective	2.5 – 200 ppm
	WG-BZE-20	5 – 100 ppm	2.5 – 200 ppm
Butadiene	WG-BDE-04	0.5 – 5 ppm	0.25 – 10 ppm
Butane	WG-BTE-30	25 – 1,400 ppm	12.2 – 2,800 ppm
Carbon Dioxide	WG-CO2-30	300 – 5,000 ppm	150 – 25,000 ppm
	WG-CO2-40	0.05 – 1%	0.025 – 5%
	WG-CO2-45	0.25 – 3%	0.12 – 6%
	WG-CO2-50	1 – 20%	0.25 – 50%
	WG-CO2-60	5 – 40%	1.25 – 70%
Carbon Monoxide	WG-CO-18	5 – 100 ppm selective	2.5 – 300 ppm
	WG-CO-20	5 – 100 ppm	2.5 – 200 ppm
	WG-CO-30	20 – 500	10 – 1000 ppm
	WG-CO-45	0.2 – 4%	0.1 – 8%
Chlorine	WG-CL2-10	0.25-15 ppm	0.05 – 30 ppm
	WG-CL2-20	5 – 100 ppm	2.5 – 200 ppm
Chlorine Dioxide	WG-CLO2-10	0.25 – 15 ppm	0.05 – 30 ppm
Diesel & Jet Fuel	WG-DJF-10	0.5 – 25 ppm	N/A
Ethanol	WG-ETN-30	100 – 2000 ppm	50 – 2000 ppm
Formaldehyde	WG-FLH-05	0.1 – 5 ppm	0.1 – 40 ppm
Gasoline	WG-GSL-30	30 – 1000 ppm	15 – 2000 ppm
Hydrocarbons	WG-HC-30	50 – 1,000 ppm	25 – 2,000 ppm
Hydrogen Chloride	WG-HCL-09	1 – 20 ppm	0.5 – 40 ppm
	WG-HCL-10*	1 – 20 ppm w/ desiccant	0.5 – 40 ppm
	WG-HCL-22	20 – 500 ppm	10 – 1000 ppm
Hydrogen Cyanide	WG-HCN-10	2.5 – 60 ppm	1.25 – 120 ppm
Hydrogen Fluoride	WG-HF-10	0.5 – 20 ppm	0.25 – 40 ppm

Type Part	Number	Standard Range	Extended Range
Hydrogen Sulfide	WG-H2S-04	0.2 – 3 ppm	0.1 – 6 ppm
	WG-H2S-05*	0.2 – 3 ppm w/ desiccant	0.1 – 6 ppm
	WG-H2S-06	1 – 7 ppm	0.25 – 7 ppm
	WG-H2S-10	2.5 – 60 ppm	1.25 – 300 ppm
	WG-H2S-15	10 – 120 ppm	5 – 600 ppm
	WG-H2S-18	25 – 250 ppm	12.5 – 1250 ppm
	WG-H2S-20	50 – 800 ppm	25 – 4,000 ppm
	WG-H2S-30	100 – 2,000 ppm	50 – 9,600 ppm
	WG-H2S-40	0.1 – 2%	0.05 – 10%
WG-H2S-50	2 – 40%	0.5 – 70%	
MEK	WG-MEK-20	0.02 – 0.6 %	0.01 – 1.8 %
Mercaptans	WG-MCT-20	5 – 120 ppm	0.6 – 240 ppm
Methyl Bromide	WG-MBR-10	1 – 18 ppm	0.5 – 36 ppm
Nitric Acid	WG-NA-20	1 – 20 ppm	0.5 – 40 ppm
Nitrogen Dioxide	WG-NO2-10	0.5 – 30 ppm	N/A
Nitrogen Oxides	WG-NO-20*	1 – 50 ppm	0.5-100 ppm
Ozone	WG-O3-03	0.05 – 0.6 ppm	0.15 – 1.8 ppm
Phenol	WG-PNL-05	1 – 25 ppm	0.5 – 180 ppm
Phosphine	WG-PH3-10	5 – 50 ppm	2.5 – 100 ppm
	WG-PH3-20	25 – 500 ppm	12.5 – 1,000 ppm
	WG-PH3-25	50 – 1,000 ppm	25 – 2,000 ppm
Sulfur Dioxide	WG-SO2-15	2 – 30 ppm	1 – 60 ppm
	WG-SO2-20	5 – 100 ppm	2.5 – 200 ppm
	WG-SO2-25	100 – 1,800 ppm	50 – 3,600 ppm
	WG-SO2-30	200 – 4,000 ppm	50 – 12,000 ppm
	WG-SO2-40	0.2 – 5 %	0.1 – 50 %
Toluene	WG-TOL-20	10 – 300 ppm	5 – 600 ppm
Trichloroethylene	WG-TCE-20*	5 – 100 ppm	2.5 – 230 ppm
Vinyl Chloride	WG-VCL-10*	1 – 20 ppm	0.5 – 40 ppm
Water Vapor	WG-WVA-10	"2-10 lbs/MMCF (0.03-0.16 mg/L)"	1 – 20 lbs/MMCF
	WG-WVA-20	"6-40 lbs/MMCF (0.1-0.64 mg/L)"	3 – 80 lbs/MMCF
	WG-WVA-30	0.05 – 1 mg/L	0.025 – 2 mg/L
	WG-WVA-40	1 – 18 mg/L	0.5 – 32 mg/L
Xylene	WG-XYL-20	10 – 200 ppm	5 – 400 ppm

*Asterisk indicates boxes containing 5 colorimetric tubes and 5 pre-tubes, for a total of 5 measurements. Standard boxes w/o asterisk have 10 tubes.

FOR MORE INFORMATION

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WatchGas Colorimetric Tubes & Pump DS EN 12.02.2025 V2.3 © 2025 WatchGas B.V.

WatchGas is dedicated to continuously improving its products. Therefore, the specifications and features mentioned in this datasheet are subject to change without prior notice.